

chain nodes :

10

ring nodes :

1 2 3 4 5 6 7 8 9 12 13 14

chain bonds :

1-10

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 7-12 8-9 12-13 13-14

exact/norm bonds :

1-2 1-6 1-10 2-3 2-7 3-4 3-9 4-5 5-6 7-8 7-12 8-9 12-13 13-14

G1:O,S

G2:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 12:Atom 13:Atom 14:Atom

10/505,228

=> d his

(FILE 'HOME' ENTERED AT 16:17:21 ON 02 APR 2007)

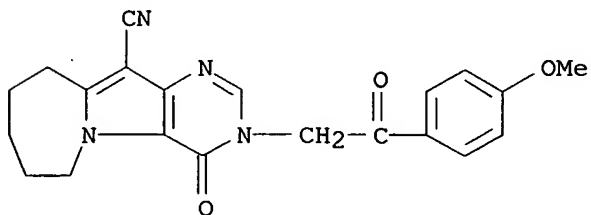
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L1	STRUCTURE UPLOADED
L2	50 S L1
L3	STRUCTURE UPLOADED
L4	50 S L3
L5	STRUCTURE UPLOADED
L6	23 S L5
L7	462 S L5 SSS FUL
L8	445 S L7 AND CAPLUS/LC
L9	17 S L7 NOT L8

=> d 17

10/505,228

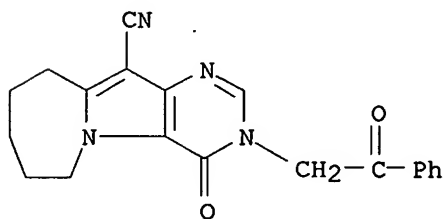
L9 ANSWER 17 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 300394-00-7 REGISTRY
ED Entered STN: 30 Oct 2000
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-3-[2-(4-methoxyphenyl)-2-oxoethyl]-4-oxo- (9CI)
(CA INDEX NAME)
MF C21 H20 N4 O3
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

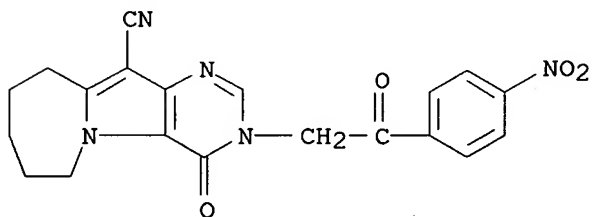
L9 ANSWER 16 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 304869-03-2 REGISTRY
ED Entered STN: 29 Nov 2000
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-oxo-3-(2-oxo-2-phenylethyl)- (9CI) (CA INDEX
NAME)
MF C20 H18 N4 O2
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

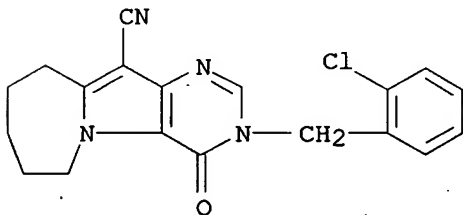
L9 ANSWER 15 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 304872-67-1 REGISTRY
ED Entered STN: 29 Nov 2000
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-3-[2-(4-nitrophenyl)-2-oxoethyl]-4-oxo- (9CI) (CA
INDEX NAME)
MF C20 H17 N5 O4
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

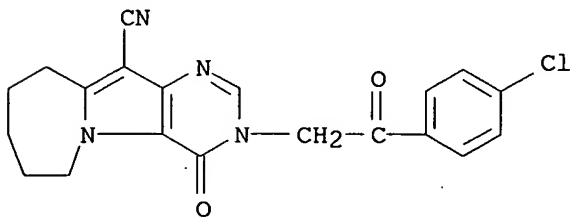
L9 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 305865-14-9 REGISTRY
ED Entered STN: 01 Dec 2000
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
3-[(2-chlorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)
MF C19 H17 Cl N4 O
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

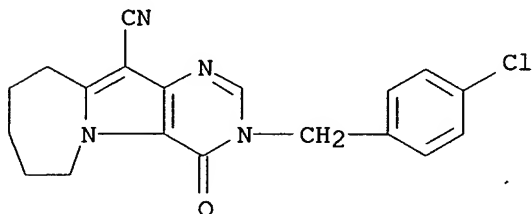
L9 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 327097-75-6 REGISTRY
ED Entered STN: 14 Mar 2001
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
3-[2-(4-chlorophenyl)-2-oxoethyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)
MF C20 H17 Cl N4 O2
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

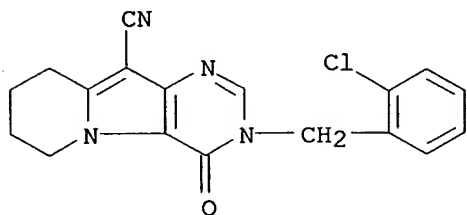
L9 ANSWER 12 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 352553-70-9 REGISTRY
ED Entered STN: 24 Aug 2001
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
3-[(4-chlorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)
MF C19 H17 Cl N4 O
SR Chemical Library
Supplier: ChemBridge Corporation
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

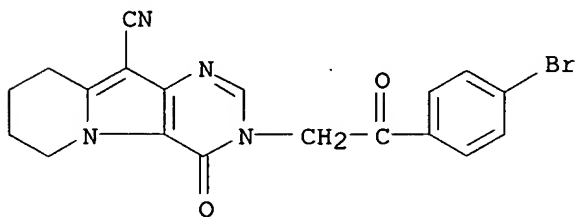
L9 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 352555-04-5 REGISTRY
ED Entered STN: 24 Aug 2001
CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 3-[(2-chlorophenyl)methyl]-
3,4,6,7,8,9-hexahydro-4-oxo- (9CI) (CA INDEX NAME)
MF C18 H15 Cl N4 O
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

L9 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 352555-05-6 REGISTRY
ED Entered STN: 24 Aug 2001
CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 3-[2-(4-bromophenyl)-2-oxoethyl]-3,4,6,7,8,9-hexahydro-4-oxo- (9CI) (CA INDEX NAME)
MF C19 H15 Br N4 O2
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

L9 ANSWER 9 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN

RN 371927-57-0 REGISTRY

ED Entered STN: 27 Nov 2001

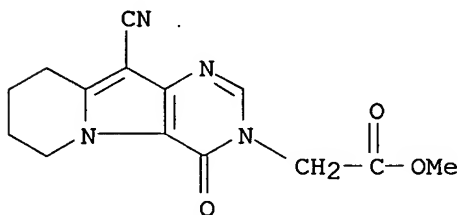
CN Pyrimido[4,5-b]indolizine-3(4H)-acetic acid, 10-cyano-6,7,8,9-tetrahydro-4-oxo-, methyl ester (9CI) (CA INDEX NAME)

MF C14 H14 N4 O3

SR Chemical Library

Supplier: Interbioscreen Ltd.

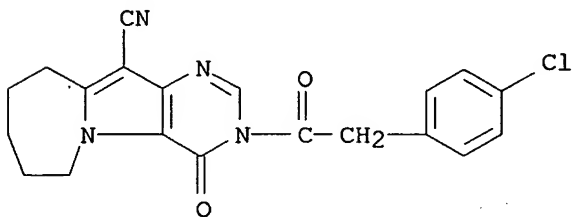
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

L9 ANSWER 8 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 371931-51-0 REGISTRY
ED Entered STN: 27 Nov 2001
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
3-[(4-chlorophenyl)acetyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)
MF C20 H17 Cl N4 O2
SR Chemical Library
Supplier: Ambinter



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

L9 ANSWER 7 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN

RN 413610-74-9 REGISTRY

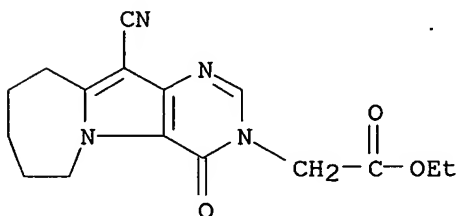
ED Entered STN: 12 May 2002

CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-3-acetic acid,
11-cyano-4,6,7,8,9,10-hexahydro-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)

MF C16 H18 N4 O3

SR Chemical Library

Supplier: ChemBridge Corporation



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

L9 ANSWER 6 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN

RN 414904-55-5 REGISTRY

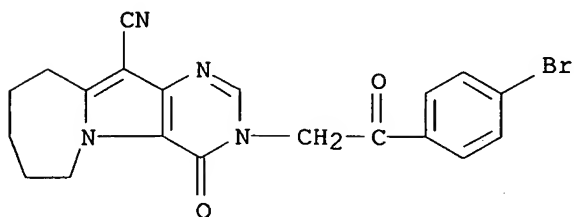
ED Entered STN: 13 May 2002

CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
3-[2-(4-bromophenyl)-2-oxoethyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)

MF C20 H17 Br N4 O2

SR Chemical Library

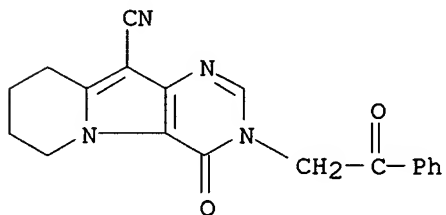
Supplier: ChemBridge Corporation



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

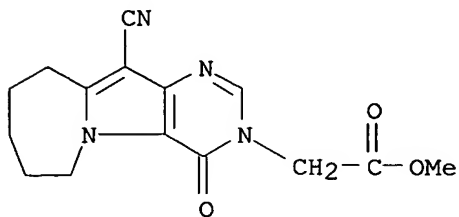
L9 ANSWER 5 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 414907-66-7 REGISTRY
ED Entered STN: 13 May 2002
CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 3,4,6,7,8,9-hexahydro-4-oxo-3-(2-oxo-2-phenylethyl)- (9CI) (CA INDEX NAME)
MF C19 H16 N4 O2
SR Chemical Library
Supplier: ChemBridge Corporation
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

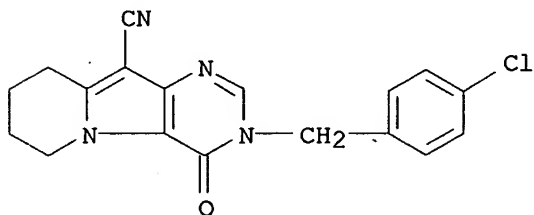
L9 ANSWER 4 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 415685-91-5 REGISTRY
ED Entered STN: 14 May 2002
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-3-acetic acid,
11-cyano-4,6,7,8,9,10-hexahydro-4-oxo-, methyl ester (9CI) (CA INDEX
NAME)
MF C15 H16 N4 O3
SR Chemical Library
Supplier: ChemBridge Corporation
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

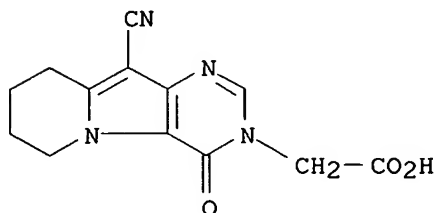
L9 ANSWER 3 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 425397-88-2 REGISTRY
ED Entered STN: 04 Jun 2002
CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 3-[(4-chlorophenyl)methyl]-
3,4,6,7,8,9-hexahydro-4-oxo- (9CI) (CA INDEX NAME)
MF C18 H15 Cl N4 O
SR Chemical Library
Supplier: ChemBridge Corporation
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

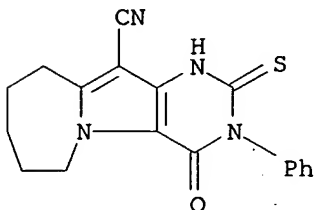
L9 ANSWER 2 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 695211-61-1 REGISTRY
ED Entered STN: 18 Jun 2004
CN Pyrimido[4,5-b]indolizine-3(4H)-acetic acid, 10-cyano-6,7,8,9-tetrahydro-4-
oxo- (9CI) (CA INDEX NAME)
MF C13 H12 N4 O3
SR Chemical Library
Supplier: Chemical Block Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/505,228

L9 ANSWER 1 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 907970-39-2 REGISTRY
ED Entered STN: 20 Sep 2006
CN INDEX NAME NOT YET ASSIGNED
MF C18 H16 N4 O S
SR Other Sources
Database: NCI 3D (National Cancer Institute)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

~~110~~ ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:633930 CAPLUS

DOCUMENT NUMBER: 141:157132

TITLE: Preparation of pyrrolopyrimidine derivatives useful as modulators of multidrug resistance

INVENTOR(S): Milton, John; Wren, Stephen; Wang, Shouming; Folkes, Adrian; Chuckowree, Irina; Hancox, Timothy; Miller, Warren; Sohal, Sukhjit

PATENT ASSIGNEE(S): Xenova Limited, UK

SOURCE: PCT Int. Appl., 114 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004065389	A1	20040805	WO 2004-GB274	20040123
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ				

PRIORITY APPLN. INFO.:

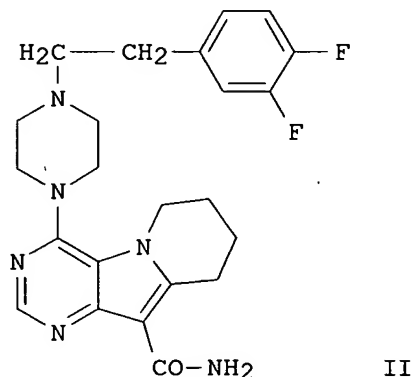
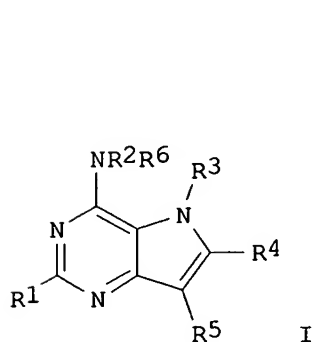
GB 2003-1736

A 20030124

OTHER SOURCE(S):

MARPAT 141:157132

GI



AB Pyrrolopyrimidines of formula I [R1 = H, alkylaryl, alkyl, halo, etc.; R2, R6 = alkyl; NR2R6 = (substituted) 5 to 8-membered ring; R3, R4 = H, alkyl, alkylaryl; R3R4 = alkylene; R5 = CN, (substituted) CO2H, (substituted) CONH2, hydroxyalkyl, etc.] are prepared. These compds. have activity as inhibitors of MRP (multidrug resistant protein) and may thus be used to modulate multidrug resistance, for instance in potentiating the cytotoxicity of a chemotherapeutic agent. Thus, II was prepared, and was an effective inhibitor of LTC4 transport by MRP1 at 0.7 μ M.

IT 132994-09-3P 731825-96-0P

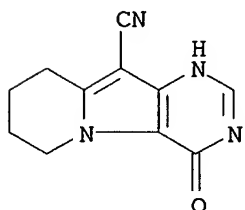
10/505,228

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrrolopyrimidine derivs. as modulators of multidrug resistance)

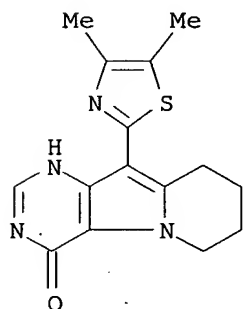
RN 132994-09-3 CAPLUS

CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 731825-96-0 CAPLUS

CN Pyrimido[4,5-b]indolizin-4(1H)-one, 10-(4,5-dimethyl-2-thiazolyl)-6,7,8,9-tetrahydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/505,228

140 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:102825 CAPLUS

DOCUMENT NUMBER: 140:296874

TITLE: Studies on Pyrrolopyrimidines as Selective Inhibitors of Multidrug-Resistance- Associated Protein in Multidrug Resistance

AUTHOR(S): Wang, Shouming; Folkes, Adrian; Chuckowree, Irina; Cockcroft, Xiaoling; Sohal, Sukhjit; Miller, Warren; Milton, John; Wren, Stephen P.; Vicker, Nigel; Depledge, Paul; Scott, John; Smith, Lyndsay; Jones, Hazel; Mistry, Prakash; Faint, Richard; Thompson, Deanne; Cocks, Simon

CORPORATE SOURCE: Department of Medicinal Chemistry, Department of Pharmacology, Analytical Department, Xenova Ltd., Berkshire, SL1 4NL, UK

SOURCE: Journal of Medicinal Chemistry (2004), 47(6), 1329-1338

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:296874

AB Multidrug resistance mediated by P-glycoprotein (Pgp) or multidrug-resistance-associated protein (MRP) remains a major obstacle for successful treatment of cancer. Inhibition of Pgp and MRP transport is important for high efficacy of anticancer drugs. While several Pgp inhibitors have entered clin. trials, the development of specific MRP1 inhibitors is still in its infancy. In our screening program, we have identified a pyrrolopyrimidine (4) as a novel and selective MRP1 inhibitor. Subsequent SAR work on the 4-position of the template revealed the phenethylpiperazine side chain as a potent replacement of the benzylthio group of the lead mol. Introduction of groups at the 2-position seems to have no detrimental effect on activity. Modifications to the nitrile group at the 7-position resulted in the identification of analogs with groups, such as amides, with superior pharmacokinetic profiles. In vivo efficacy has been demonstrated by xenograft studies on selected compds.

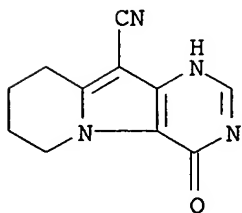
IT 132994-09-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and structure-activity relationship studies of pyrrolopyrimidines as selective inhibitors of multidrug-resistance-associated protein in antitumor drug resistance)

RN 132994-09-3 CAPLUS

CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-oxo-(9CI) (CA INDEX NAME)



10/505,228

REFERENCE COUNT:

39

THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:678812 CAPLUS

DOCUMENT NUMBER: 139:214483

TITLE: Preparation of pyrrolopyrimidine derivatives as GSK-3 inhibitors

INVENTOR(S): Kataoka, Kenichiro; Kosugi, Tomomi; Ishii, Toshihiro; Takeuchi, Takahiro; Tsutsumi, Takaharu; Nakano, Akira; Yamamoto, Yoji; Yoshioka, Noboru

PATENT ASSIGNEE(S): Teijin Limited, Japan

SOURCE: PCT Int. Appl., 210 pp.

CODEN: PIXXD2

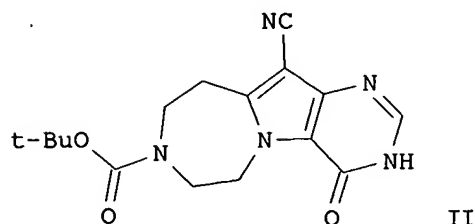
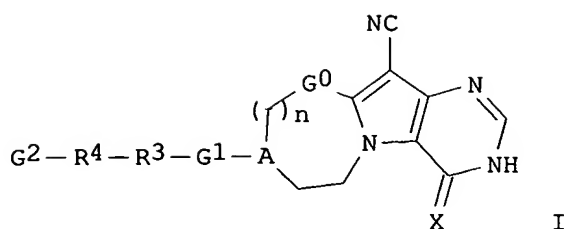
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003070730	A1	20030828	WO 2003-JP1978	20030224
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2477117	A1	20030828	CA 2003-2477117	20030224
AU 2003211428	A1	20030909	AU 2003-211428	20030224
EP 1477490	A1	20041117	EP 2003-707009	20030224
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003007588	A	20050201	BR 2003-7588	20030224
CN 1646535	A	20050727	CN 2003-808718	20030224
US 2005171094	A1	20050804	US 2003-505228	20030224
PRIORITY APPLN. INFO.:			JP 2002-46129	A 20020222
			WO 2003-JP1978	W 20030224
OTHER SOURCE(S):		MARPAT 139:214483		
GI				



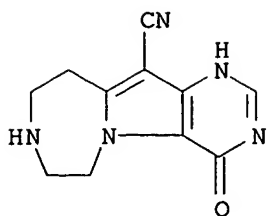
AB The title pyrrolopyrimidine derivs. with general formula of I [wherein X = O or S; n = 0-2; A = N or CH; G0 = (un)substituted CH₂, 2 valence group of (un)substituted benzene, furan, thiophene, pyrrole, isoxazole, cyclopentane, or cyclohexane; G1 = a single bond, CO₂, CO, SO₂, (un)substituted CONH, CSNH, or CONHSO₂; R3 = a single bond, (un)substituted aliphatic (cyclo)hydrocarbyl, aromatic hydrocarbyl, or heterocyclyl; R4 = a single bond, aliphatic cyclohydrocarbyl, aromatic hydrocarbyl, or heterocyclyl; G2 = H, CO₂H, CONHOH, SO₃H, or tetrazol-5-yl] and pharmaceutically acceptable salts thereof are prepared as glycogen synthetase kinase 3 (GSK-3) inhibitors. For example, the compound II was prepared in a multi-step synthesis in good yield. Some of compds. I showed IC₅₀ of <50 nM against GSK-3. I are useful as remedies or preventives for diseases in which GSK-3 participates such as diabetes, diabetic complications, Alzheimer's disease, neurodegenerative disease, depression, traumatic brain injury, hair loss, inflammatory diseases, cancer, immunodeficiency (no data). Formulations containing I as an active ingredient were also described.

IT 590386-69-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of pyrrolopyrimidine derivs. as GSK-3 inhibitors)

RN 590386-69-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-4-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

IT	473997-91-0P	473998-24-2P	473998-31-1P
	590386-66-6P	590386-67-7P	590386-68-8P
	590386-70-2P	590386-71-3P	590386-72-4P
	590386-73-5P	590386-74-6P	590386-76-8P
	590386-77-9P	590386-78-0P	590386-79-1P
	590386-80-4P	590386-81-5P	590386-82-6P
	590386-83-7P	590386-85-9P	590386-86-0P
	590386-87-1P	590386-88-2P	590386-89-3P
	590386-90-6P	590386-91-7P	590386-92-8P
	590386-93-9P	590386-94-0P	590386-95-1P
	590386-96-2P	590386-97-3P	590386-98-4P
	590386-99-5P	590387-00-1P	590387-01-2P
	590387-02-3P	590387-03-4P	590387-04-5P
	590387-05-6P	590387-06-7P	590387-07-8P
	590387-08-9P	590387-09-0P	590387-10-3P
	590387-11-4P	590387-12-5P	590387-13-6P
	590387-14-7P	590387-15-8P	590387-16-9P
	590387-17-0P	590387-18-1P	590387-19-2P
	590387-20-5P	590387-21-6P	590387-22-7P
	590387-23-8P	590387-24-9P	590387-25-0P
	590387-26-1P	590387-27-2P	590387-28-3P
	590387-29-4P	590387-30-7P	590387-31-8P
	590387-32-9P	590387-33-0P	590387-34-1P
	590387-35-2P	590387-36-3P	590387-37-4P
	590387-38-5P	590387-39-6P	590387-40-9P
	590387-41-0P	590387-42-1P	590387-43-2P
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	590387-47-6P	590387-48-7P	590387-49-8P
	590387-50-1P	590387-51-2P	590387-52-3P
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	590387-71-6P	590387-72-7P	590387-73-8P
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	590387-80-7P	590387-81-8P	590387-82-9P
	590387-83-0P	590387-84-1P	590387-85-2P
	590387-86-3P	590387-87-4P	590387-88-5P
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	590387-92-1P	590387-93-2P	590387-94-3P

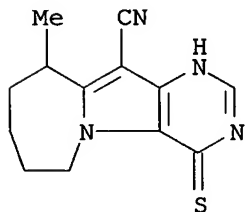
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 590388-97-9P 590388-98-0P 590388-99-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of pyrrolopyrimidine derivs. as GSK-3
 inhibitors)

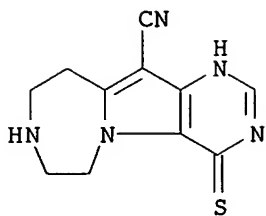
RN 473997-91-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-10-methyl-4-thioxo- (9CI) (CA INDEX NAME)

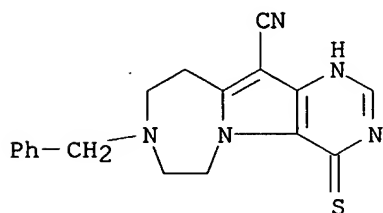


RN 473998-24-2 CAPLUS

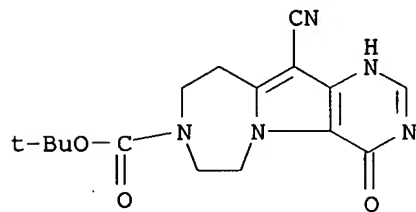
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



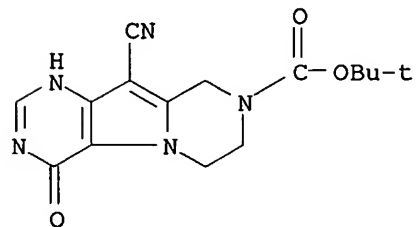
RN 473998-31-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 590386-66-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxylic acid,
 11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-, 1,1-dimethylethyl ester (9CI) (CA
 INDEX NAME)



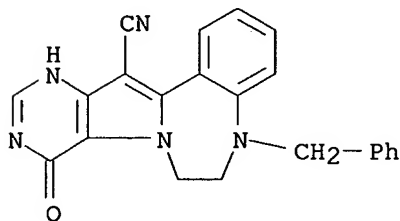
RN 590386-67-7 CAPLUS
 CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-8(1H)-carboxylic acid,
 10-cyano-4,6,7,9-tetrahydro-4-oxo-, 1,1-dimethylethyl ester (9CI) (CA
 INDEX NAME)



10/505,228

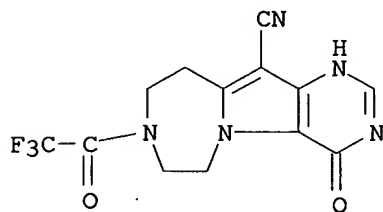
RN 590386-68-8 CAPLUS

CN 5H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]benzodiazepine-13-carbonitrile,
6,7,9,10-tetrahydro-9-oxo-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



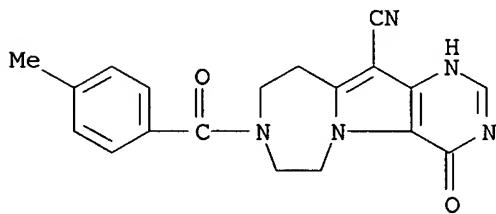
RN 590386-70-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-oxo-8-(trifluoroacetyl)- (9CI) (CA INDEX NAME)



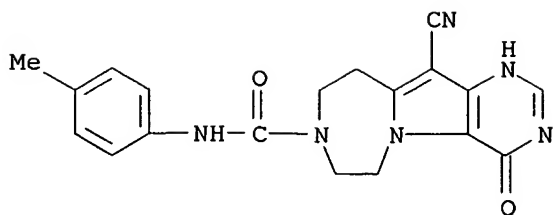
RN 590386-71-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(4-methylbenzoyl)-4-oxo- (9CI) (CA INDEX NAME)

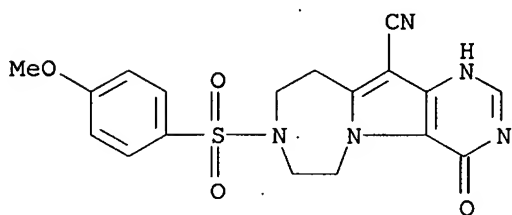


RN 590386-72-4 CAPLUS

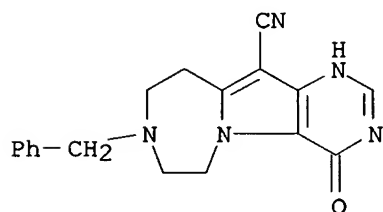
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(4-methylphenyl)-4-oxo- (9CI) (CA INDEX NAME)



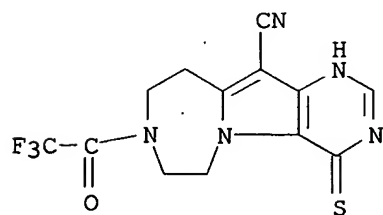
RN 590386-73-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(4-methoxyphenyl)sulfonyl]-4-oxo- (9CI) (CA
 INDEX NAME)



RN 590386-74-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-oxo-8-(phenylmethyl)- (9CI) (CA INDEX NAME)



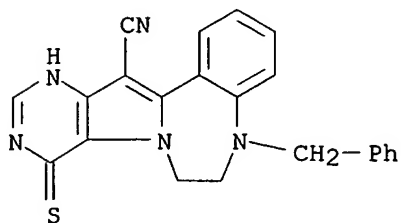
RN 590386-76-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-thioxo-8-(trifluoroacetyl)- (9CI) (CA INDEX
 NAME)



10/505,228

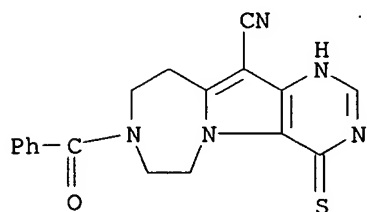
RN 590386-77-9 CAPLUS

CN 5H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]benzodiazepine-13-carbonitrile,
6,7,9,10-tetrahydro-5-(phenylmethyl)-9-thioxo- (9CI) (CA INDEX NAME)



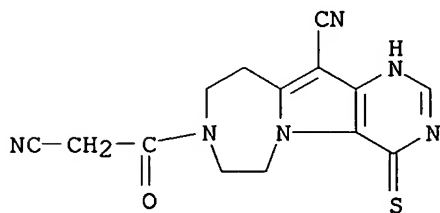
RN 590386-78-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-benzoyl-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



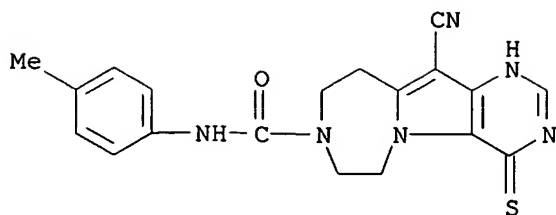
RN 590386-79-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-(cyanoacetyl)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



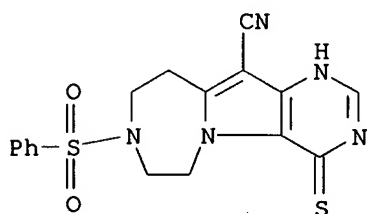
RN 590386-80-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(4-methylphenyl)-4-thioxo- (9CI) (CA
INDEX NAME)



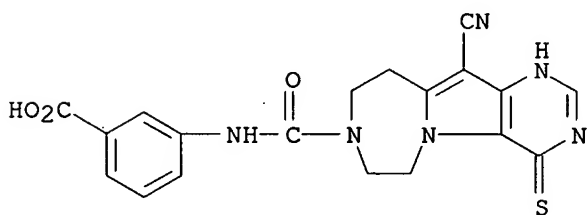
RN 590386-81-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(phenylsulfonyl)-4-thioxo- (9CI) (CA INDEX NAME)



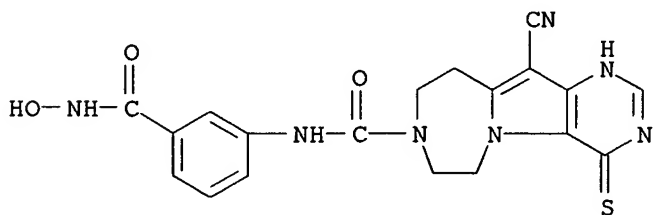
RN 590386-82-6 CAPLUS

CN Benzoic acid, 3-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl) carbonyl] amino]- (9CI)
(CA INDEX NAME)



RN 590386-83-7 CAPLUS

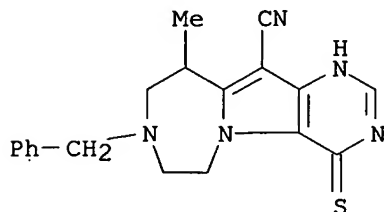
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-[3-[(hydroxyamino) carbonyl]phenyl]-4-
thioxo- (9CI) (CA INDEX NAME)



10/505,228

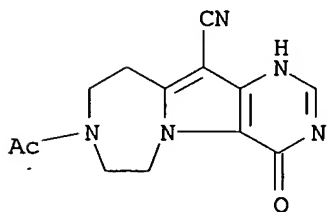
RN 590386-85-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-10-methyl-8-(phenylmethyl)-4-thioxo- (9CI) (CA
INDEX NAME)



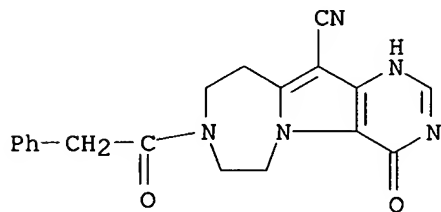
RN 590386-86-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-acetyl-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



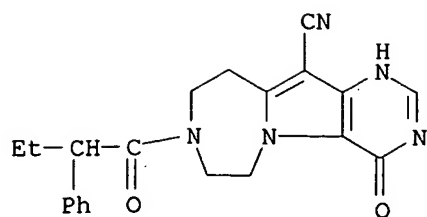
RN 590386-87-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-oxo-8-(phenylacetyl)- (9CI) (CA INDEX NAME)



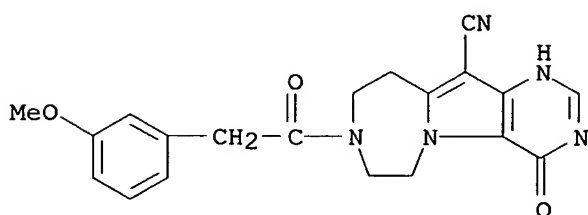
RN 590386-88-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-oxo-8-(1-oxo-2-phenylbutyl)- (9CI) (CA INDEX
NAME)



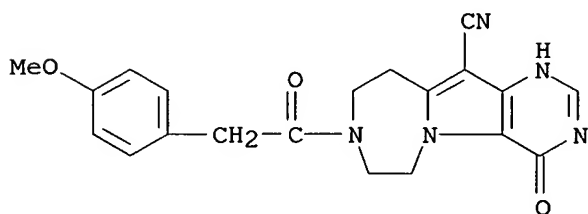
RN 590386-89-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(3-methoxyphenyl)acetyl]-4-oxo- (9CI) (CA INDEX
NAME)



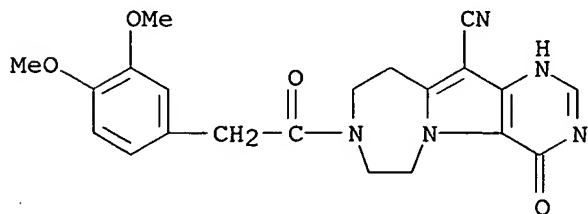
RN 590386-90-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(4-methoxyphenyl)acetyl]-4-oxo- (9CI) (CA INDEX
NAME)

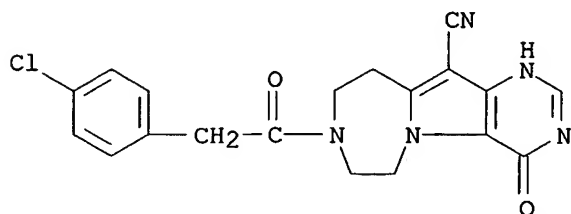


RN 590386-91-7 CAPLUS

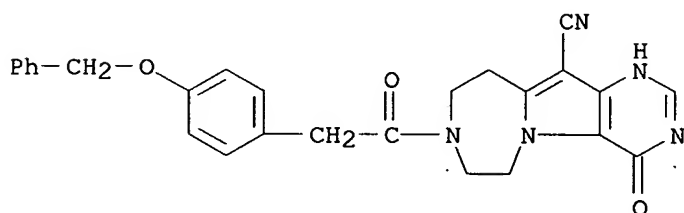
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(3,4-dimethoxyphenyl)acetyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)



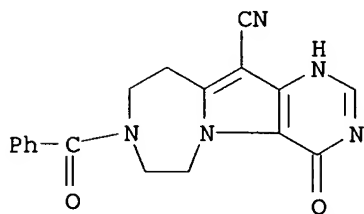
RN 590386-92-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(4-chlorophenyl)acetyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)

RN 590386-93-9 CAPLUS

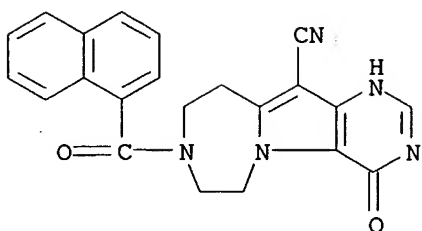
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-oxo-8-[[4-(phenylmethoxy)phenyl]acetyl]- (9CI)
(CA INDEX NAME)

RN 590386-94-0 CAPLUS

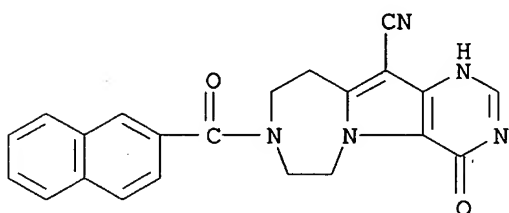
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-benzoyl-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)

RN 590386-95-1 CAPLUS

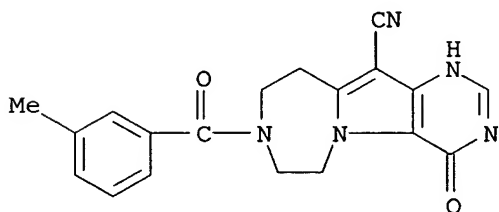
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(1-naphthalenylcarbonyl)-4-oxo- (9CI) (CA INDEX
NAME)



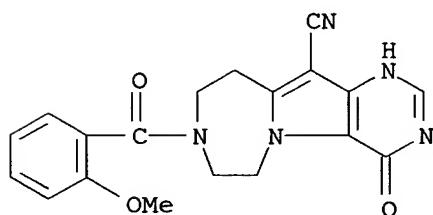
RN 590386-96-2 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(2-naphthalenylcarbonyl)-4-oxo- (9CI) (CA INDEX
 NAME)



RN 590386-97-3 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(3-methylbenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



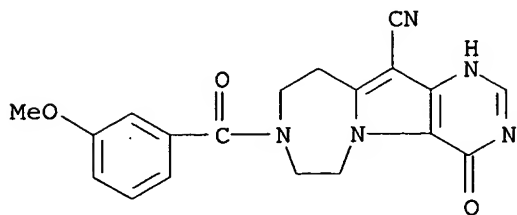
RN 590386-98-4 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(2-methoxybenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



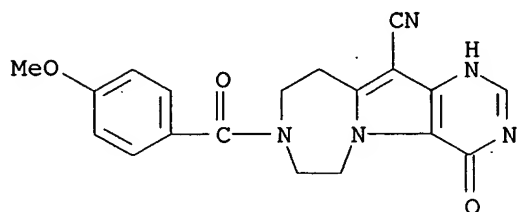
RN 590386-99-5 CAPLUS

10/505,228

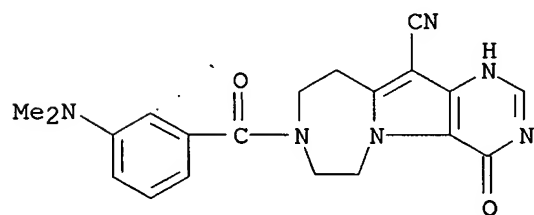
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(3-methoxybenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



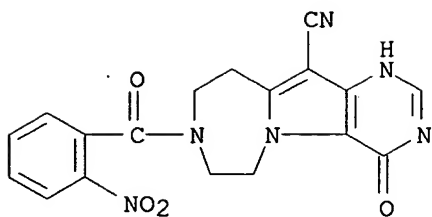
RN 590387-00-1 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(4-methoxybenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 590387-01-2 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[3-(dimethylamino)benzoyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)

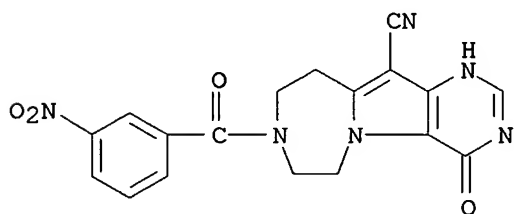


RN 590387-02-3 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(2-nitrobenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



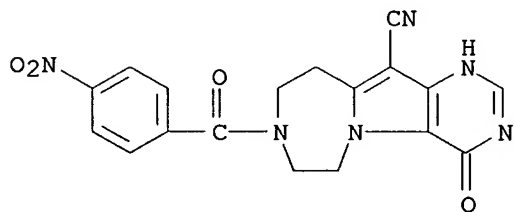
RN 590387-03-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(3-nitrobenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



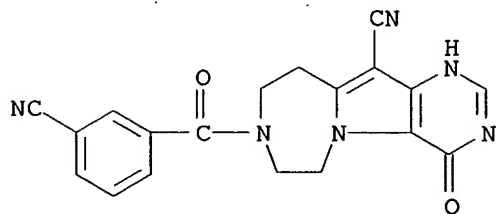
RN 590387-04-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(4-nitrobenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 590387-05-6 CAPLUS

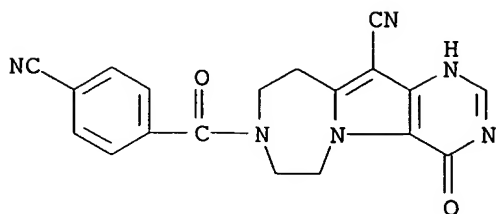
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-(3-cyanobenzoyl)-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 590387-06-7 CAPLUS

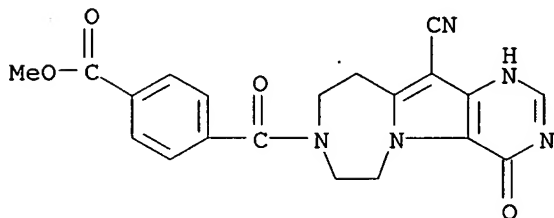
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,

8-(4-cyanobenzoyl)-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



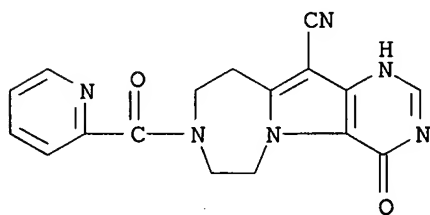
RN 590387-07-8 CAPLUS

CN Benzoic acid, 4-[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



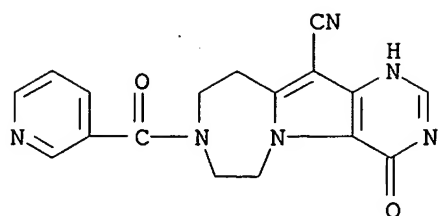
RN 590387-08-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-4-oxo-8-(2-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)

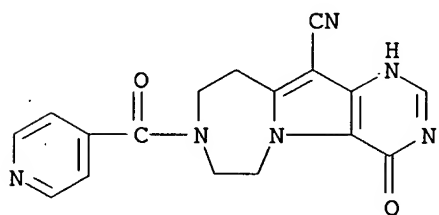


RN 590387-09-0 CAPLUS

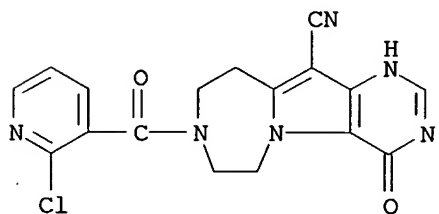
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-4-oxo-8-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)



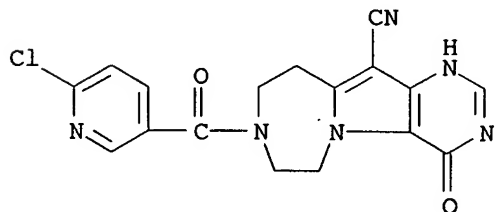
RN 590387-10-3 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-oxo-8-(4-pyridinylcarbonyl)- (9CI) (CA INDEX
 NAME)



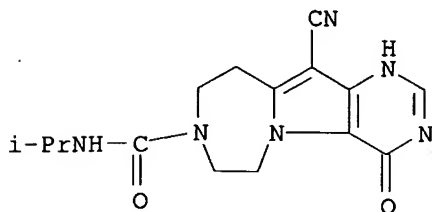
RN 590387-11-4 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(2-chloro-3-pyridinyl)carbonyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI)
 (CA INDEX NAME)



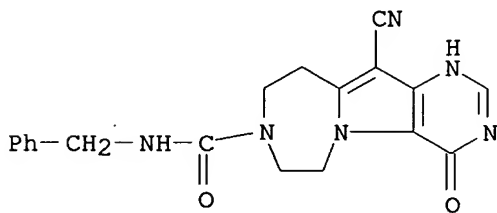
RN 590387-12-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(6-chloro-3-pyridinyl)carbonyl]-4,6,7,8,9,10-hexahydro-4-oxo- (9CI)
 (CA INDEX NAME)



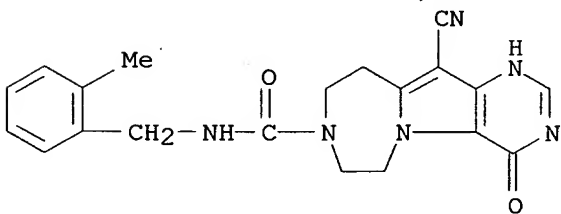
RN 590387-13-6 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(1-methylethyl)-4-oxo- (9CI) (CA INDEX
NAME)

RN 590387-14-7 CAPLUS

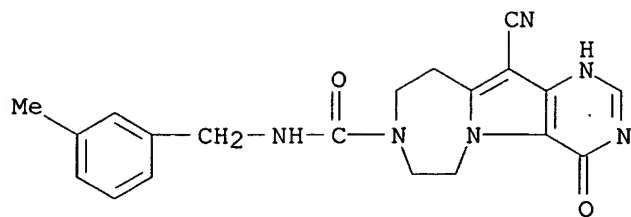
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-N-(phenylmethyl)- (9CI) (CA INDEX
NAME)

RN 590387-15-8 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-[(2-methylphenyl)methyl]-4-oxo- (9CI)
(CA INDEX NAME)

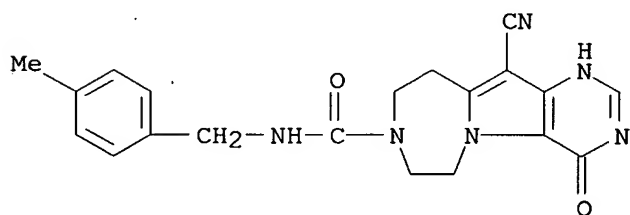
RN 590387-16-9 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-[(3-methylphenyl)methyl]-4-oxo- (9CI)
(CA INDEX NAME)



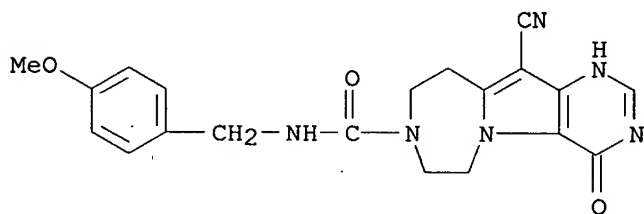
RN 590387-17-0 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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(CA INDEX NAME)



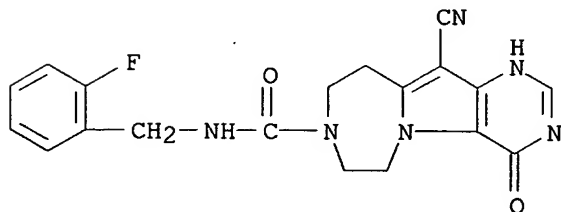
RN 590387-18-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-[(4-methoxyphenyl)methyl]-4-oxo- (9CI)
(CA INDEX NAME)



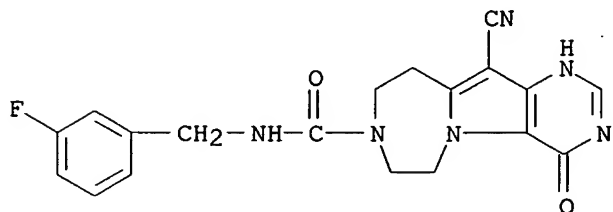
RN 590387-19-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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(CA INDEX NAME)



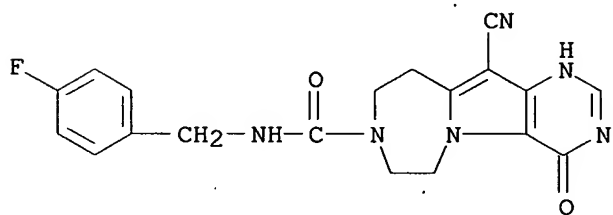
RN 590387-20-5 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-[(3-fluorophenyl)methyl]-1,4,6,7,9,10-hexahydro-4-oxo- (9CI)
(CA INDEX NAME)



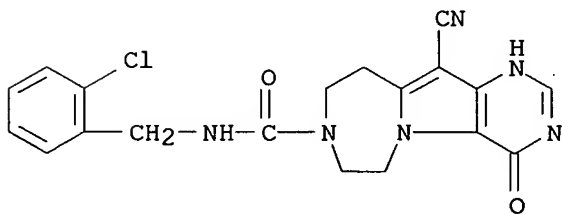
RN 590387-21-6 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-[(4-fluorophenyl)methyl]-1,4,6,7,9,10-hexahydro-4-oxo- (9CI)
(CA INDEX NAME)



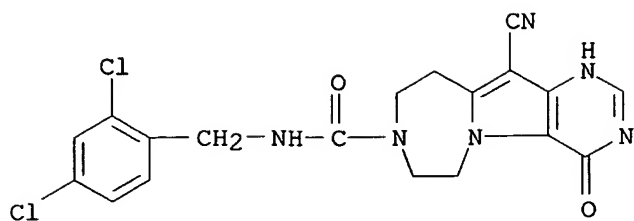
RN 590387-22-7 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
N-[(2-chlorophenyl)methyl]-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI)
(CA INDEX NAME)

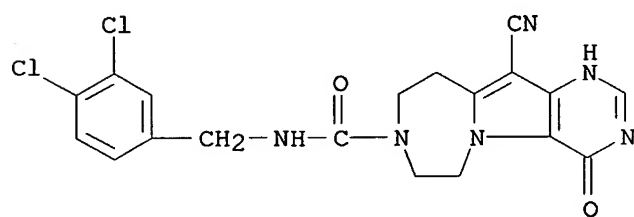


RN 590387-23-8 CAPLUS

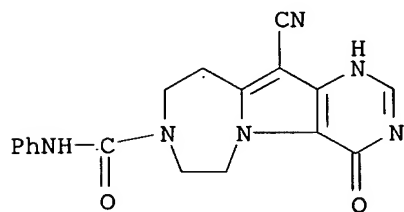
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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(9CI) (CA INDEX NAME)



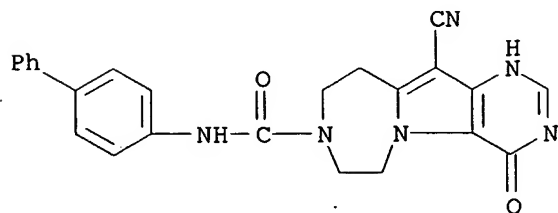
RN 590387-24-9 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-[(3,4-dichlorophenyl)methyl]-1,4,6,7,9,10-hexahydro-4-oxo-
 (9CI) (CA INDEX NAME)



RN 590387-25-0 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-N-phenyl- (9CI) (CA INDEX NAME)



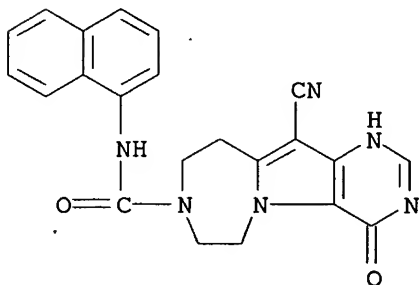
RN 590387-26-1 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 N-[1,1'-biphenyl]-4-yl-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA
 INDEX NAME)



10/505,228

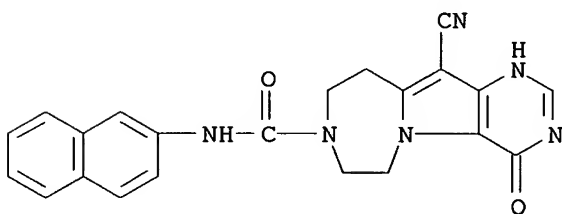
RN 590387-27-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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NAME)



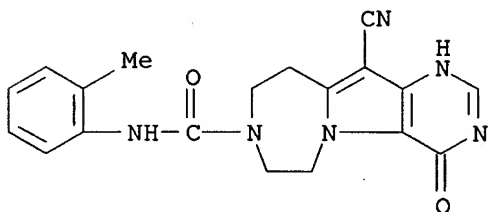
RN 590387-28-3 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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NAME)



RN 590387-29-4 CAPLUS

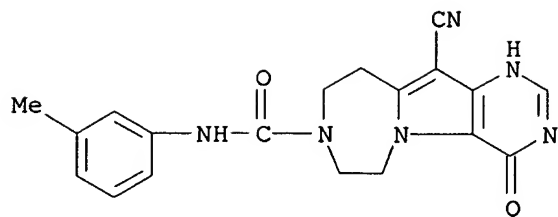
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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NAME)



RN 590387-30-7 CAPLUS

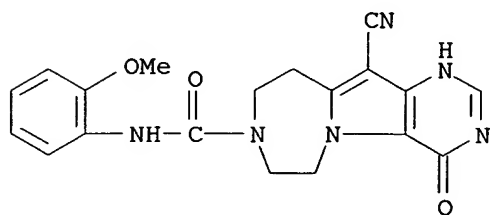
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(3-methylphenyl)-4-oxo- (9CI) (CA INDEX
NAME)





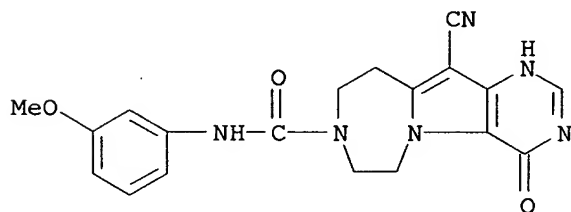
RN 590387-31-8 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(2-methoxyphenyl)-4-oxo- (9CI) (CA
INDEX NAME)



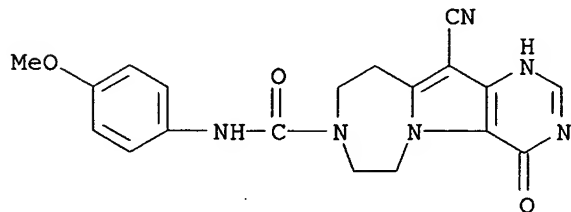
RN 590387-32-9 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(3-methoxyphenyl)-4-oxo- (9CI) (CA
INDEX NAME)



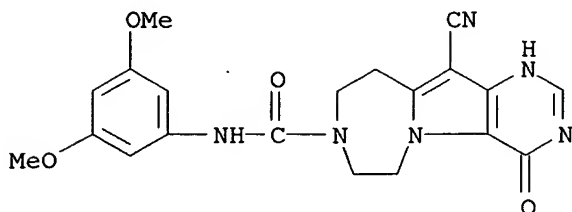
RN 590387-33-0 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(4-methoxyphenyl)-4-oxo- (9CI) (CA
INDEX NAME)



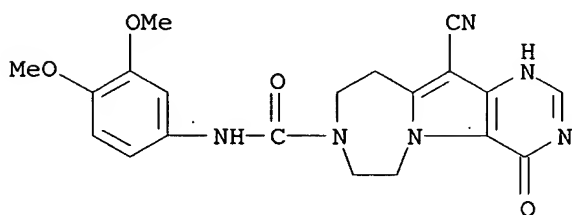
RN 590387-34-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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INDEX NAME)



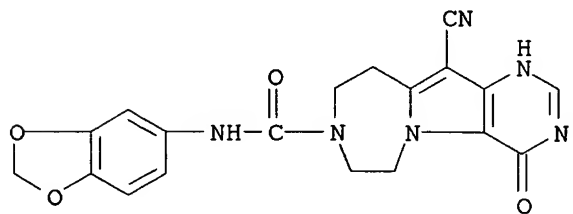
RN 590387-35-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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INDEX NAME)



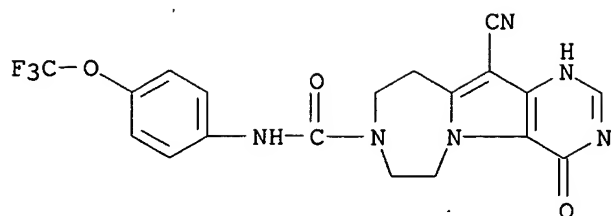
RN 590387-36-3 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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INDEX NAME)



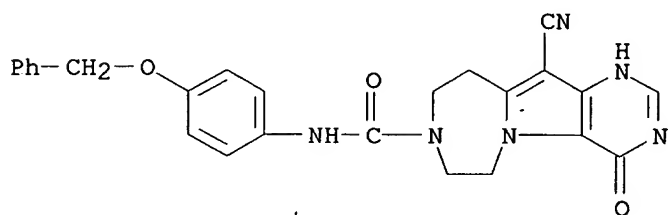
RN 590387-37-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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(9CI) (CA INDEX NAME)



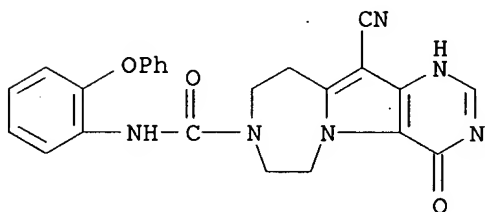
RN 590387-38-5 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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(CA INDEX NAME)



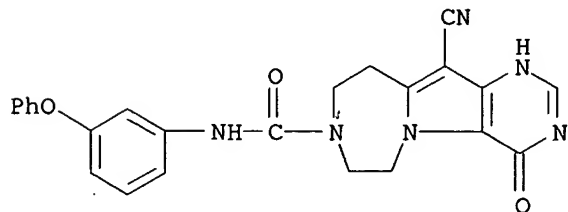
RN 590387-39-6 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-N-(2-phenoxyphenyl)- (9CI) (CA
INDEX NAME)



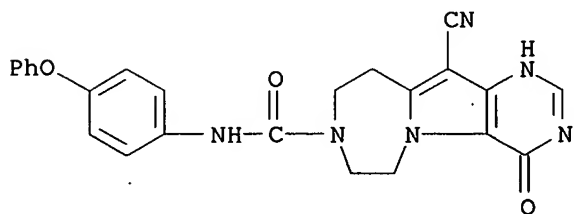
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INDEX NAME)



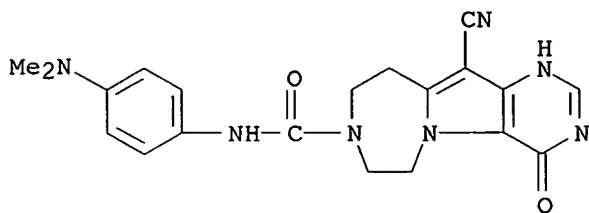
RN 590387-41-0 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
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INDEX NAME)



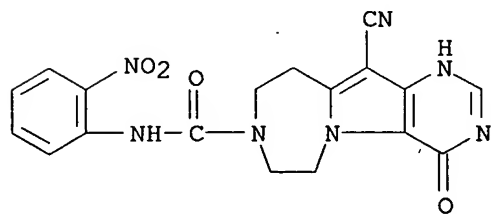
RN 590387-42-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-[4-(dimethylamino)phenyl]-1,4,6,7,9,10-hexahydro-4-oxo- (9CI)
(CA INDEX NAME)



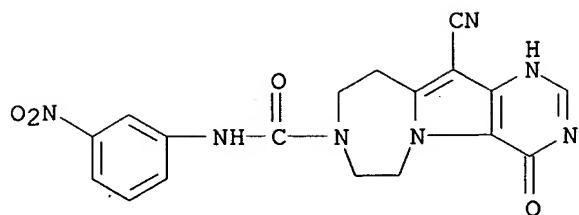
RN 590387-43-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(2-nitrophenyl)-4-oxo- (9CI) (CA INDEX
NAME)



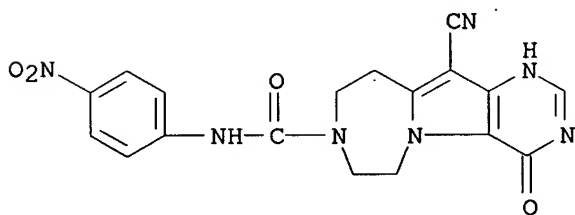
RN 590387-44-3 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(3-nitrophenyl)-4-oxo- (9CI) (CA INDEX
NAME)



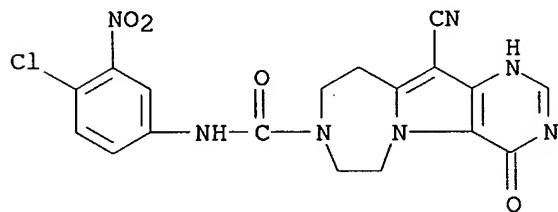
RN 590387-45-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(4-nitrophenyl)-4-oxo- (9CI) (CA INDEX
NAME)



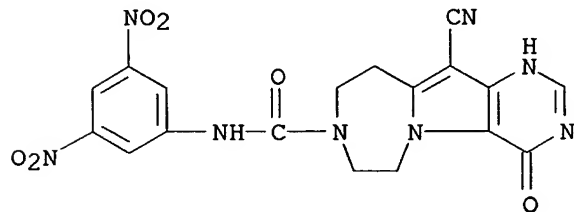
RN 590387-46-5 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
N-(4-chloro-3-nitrophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI)
(CA INDEX NAME)

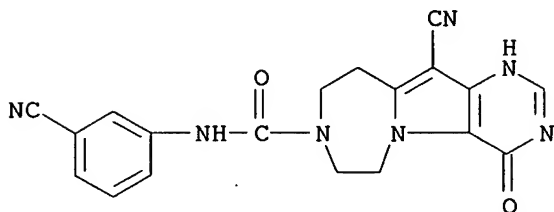


RN 590387-47-6 CAPLUS

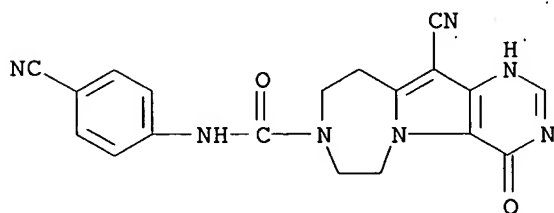
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(3,5-dinitrophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)



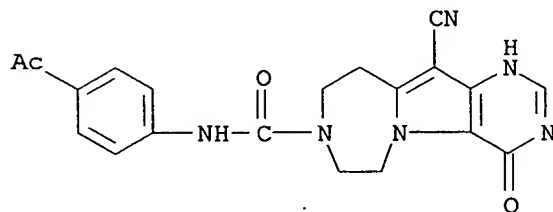
RN 590387-48-7 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(3-cyanophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)

RN 590387-49-8 CAPLUS

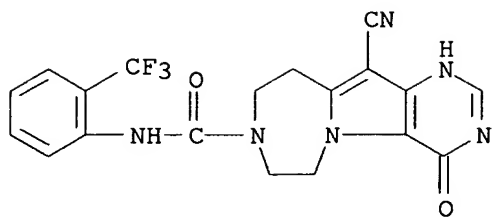
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(4-cyanophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)

RN 590387-50-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
N-(4-acetylphenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)

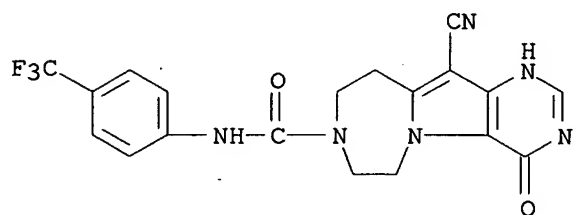
RN 590387-51-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-N-[2-(trifluoromethyl)phenyl]- (9CI)
(CA INDEX NAME)



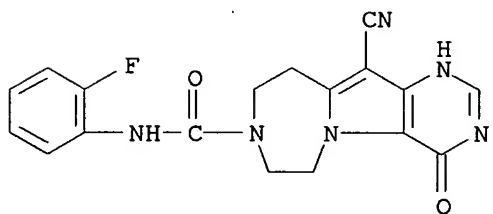
RN 590387-52-3 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-N-[4-(trifluoromethyl)phenyl]- (9CI)
(CA INDEX NAME)



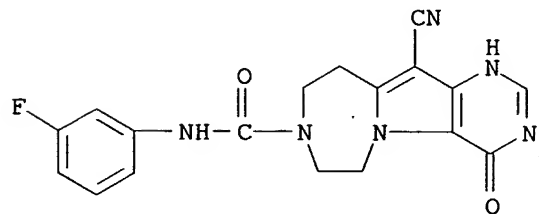
RN 590387-53-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(2-fluorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)



RN 590387-54-5 CAPLUS

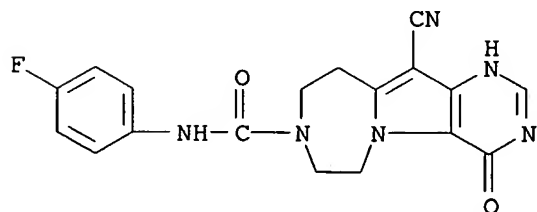
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(3-fluorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)



10/505,228

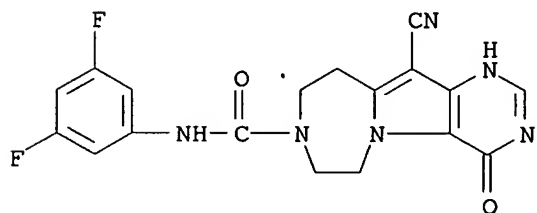
RN 590387-55-6 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(4-fluorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)



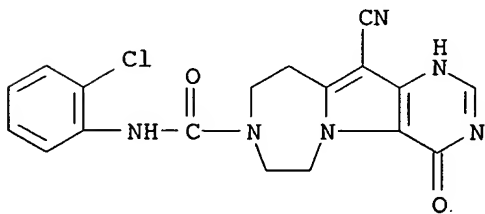
RN 590387-56-7 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(3,5-difluorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)



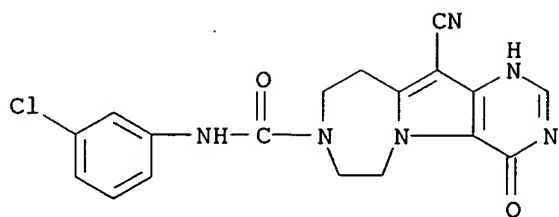
RN 590387-57-8 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
N-(2-chlorophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)

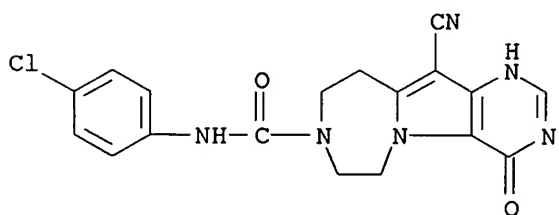


RN 590387-58-9 CAPLUS

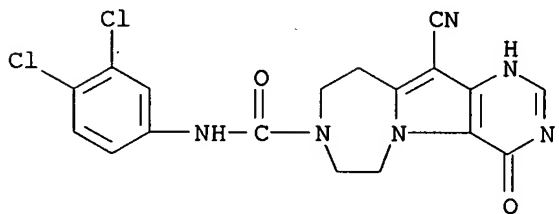
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
N-(3-chlorophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
NAME)



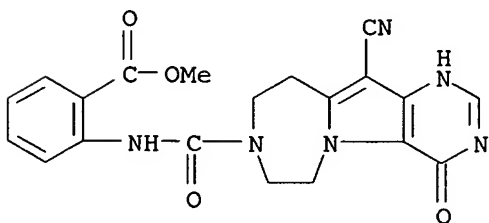
RN 590387-59-0 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 N-(4-chlorophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX
 NAME)



RN 590387-60-3 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(3,4-dichlorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA
 INDEX NAME)

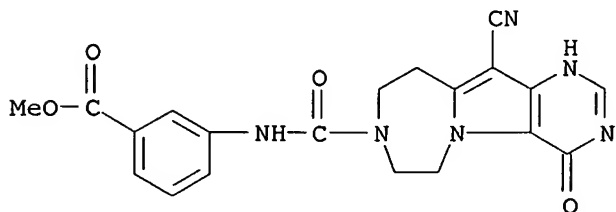


RN 590387-61-4 CAPLUS
 CN Benzoic acid, 2-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-
 pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl) carbonyl] amino]-,
 methyl ester (9CI) (CA INDEX NAME)



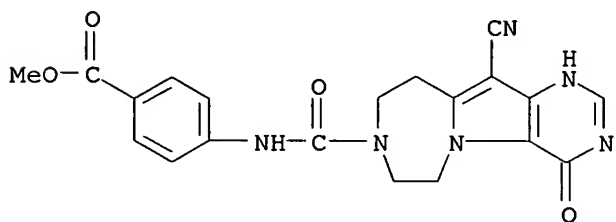
RN 590387-62-5 CAPLUS

CN Benzoic acid, 3-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



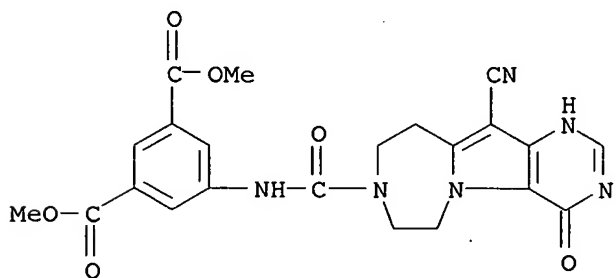
RN 590387-63-6 CAPLUS

CN Benzoic acid, 4-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



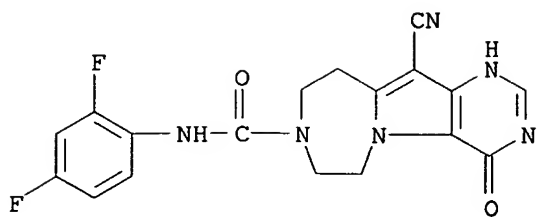
RN 590387-64-7 CAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]-, dimethyl ester (9CI) (CA INDEX NAME)



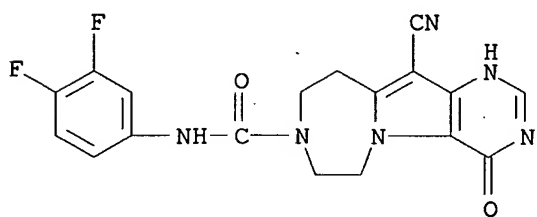
RN 590387-65-8 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide, 11-cyano-N-(2,4-difluorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



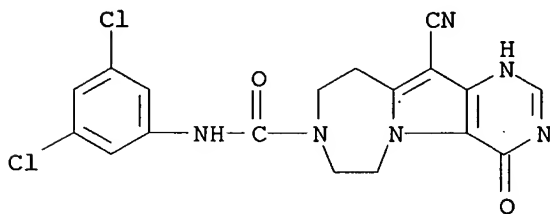
RN 590387-66-9 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(3,4-difluorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)



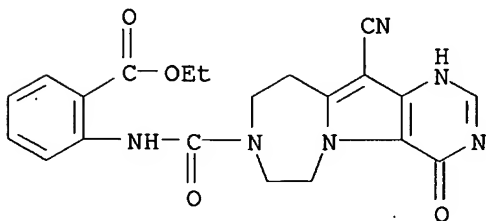
RN 590387-67-0 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(3,5-dichlorophenyl)-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA
INDEX NAME)



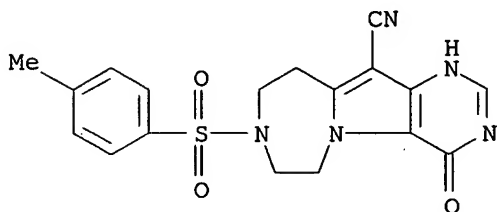
RN 590387-68-1 CAPLUS

CN Benzoic acid, 2-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl) carbonyl]amino]-,
ethyl ester (9CI) (CA INDEX NAME)



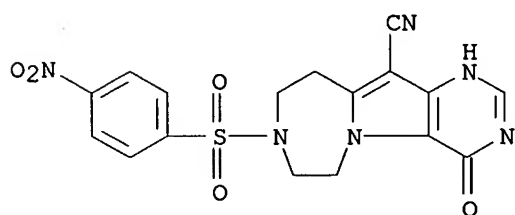
RN 590387-69-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(4-methylphenyl)sulfonyl]-4-oxo- (9CI) (CA
INDEX NAME)



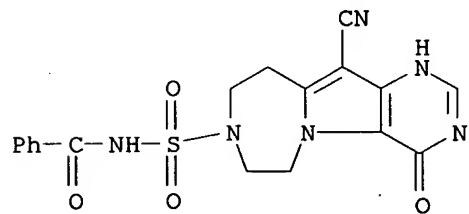
RN 590387-70-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(4-nitrophenyl)sulfonyl]-4-oxo- (9CI) (CA INDEX
NAME)



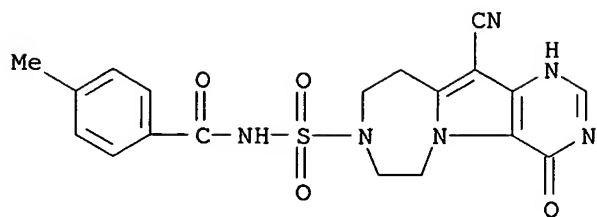
RN 590387-71-6 CAPLUS

CN Benzamide, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)sulfonyl]- (9CI) (CA
INDEX NAME)



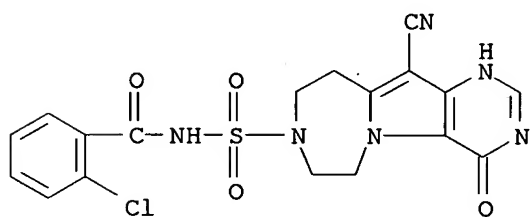
RN 590387-72-7 CAPLUS

CN Benzamide, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)sulfonyl]-4-methyl-
(9CI) (CA INDEX NAME)



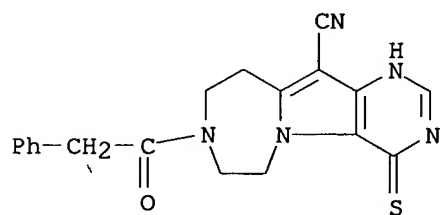
RN 590387-73-8 CAPLUS

CN Benzamide, 2-chloro-N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)sulfonyl]- (9CI) (CA INDEX NAME)



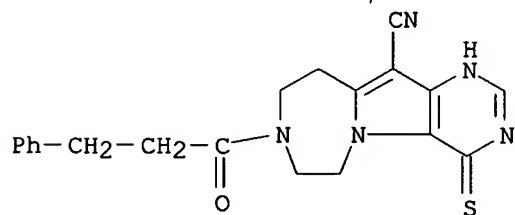
RN 590387-74-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-(phenylacetyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 590387-75-0 CAPLUS

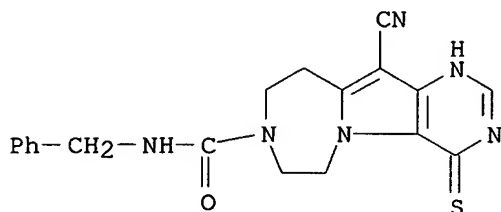
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-(1-oxo-3-phenylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)



10/505,228

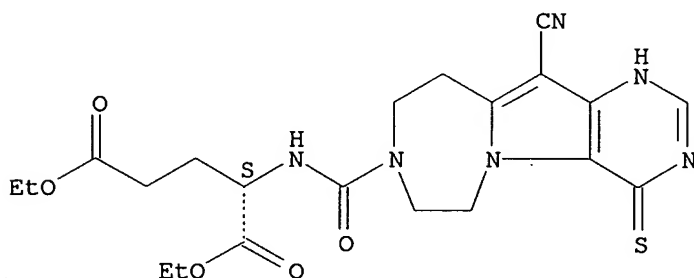
RN 590387-76-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(phenylmethyl)-4-thioxo- (9CI) (CA
INDEX NAME)



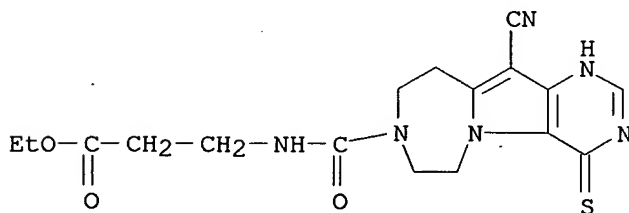
RN 590387-77-2 CAPLUS

CN L-Glutamic acid, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-, diethyl
ester (9CI) (CA INDEX NAME)



RN 590387-78-3 CAPLUS

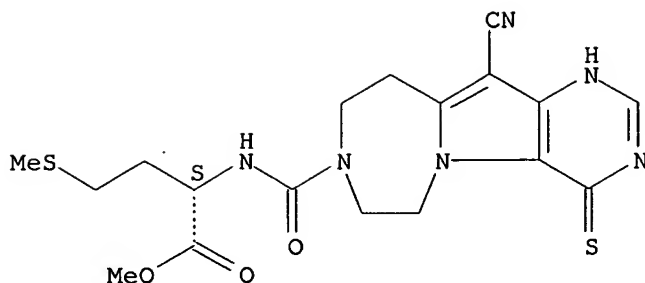
CN β -Alanine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-, ethyl
ester (9CI) (CA INDEX NAME)



RN 590387-79-4 CAPLUS

CN L-Methionine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-, methyl
ester (9CI) (CA INDEX NAME)

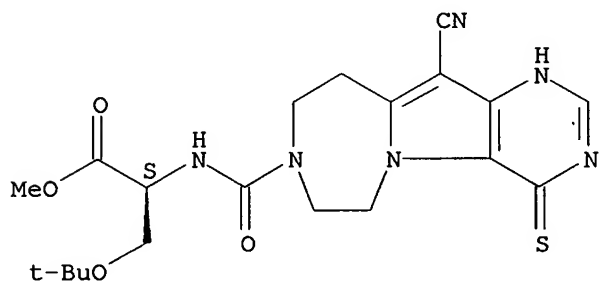
Absolute stereochemistry.



RN 590387-80-7 CAPLUS

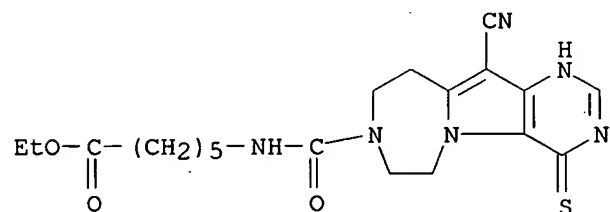
CN L-Serine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-O-(1,1-dimethylethyl)-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



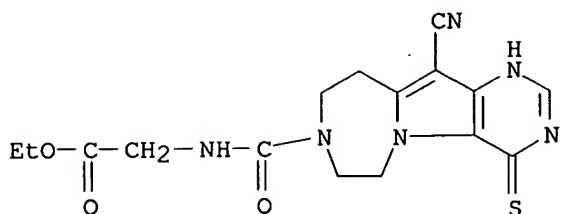
RN 590387-81-8 CAPLUS

CN Hexanoic acid, 6-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



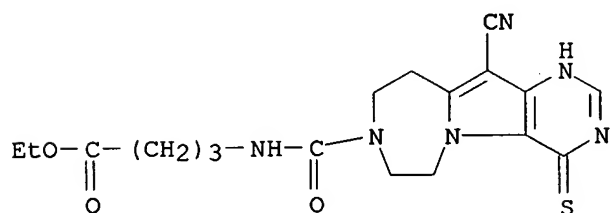
RN 590387-82-9 CAPLUS

CN Glycine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



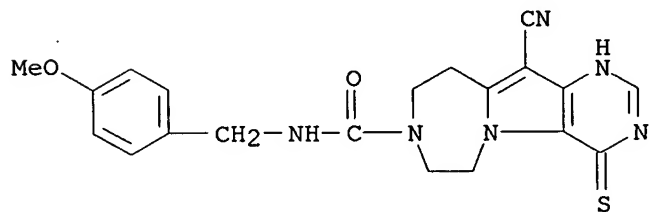
RN 590387-83-0 CAPLUS

CN Butanoic acid, 4-[[[11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



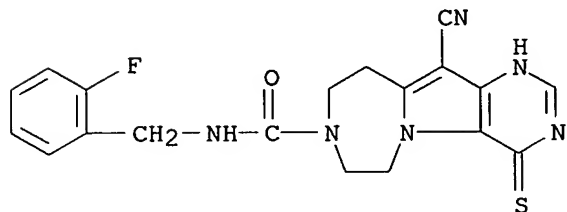
RN 590387-84-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide, 11-cyano-1,4,6,7,9,10-hexahydro-N-[(4-methoxyphenyl)methyl]-4-thioxo- (9CI) (CA INDEX NAME)



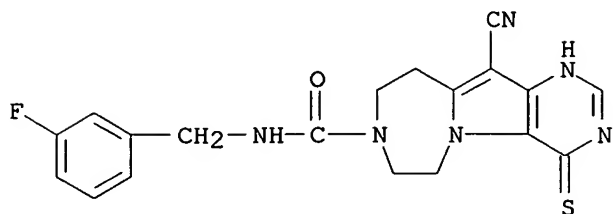
RN 590387-85-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide, 11-cyano-N-[(2-fluorophenyl)methyl]-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



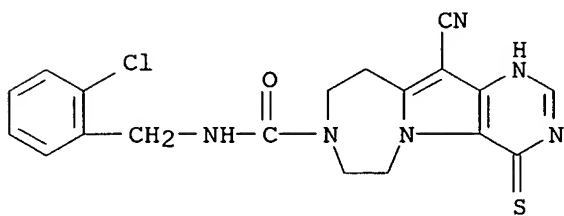
RN 590387-86-3 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-[(3-fluorophenyl)methyl]-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



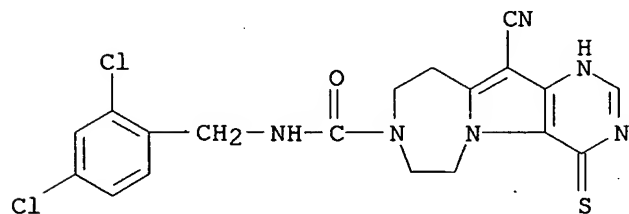
RN 590387-87-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
N-[(2-chlorophenyl)methyl]-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



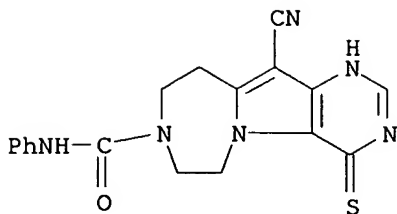
RN 590387-88-5 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-[(2,4-dichlorophenyl)methyl]-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



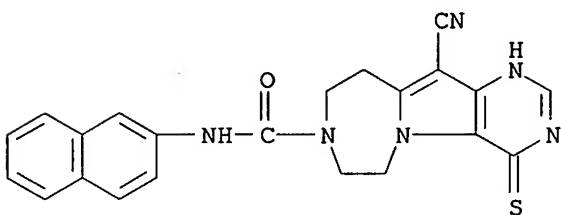
RN 590387-89-6 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-phenyl-4-thioxo- (9CI) (CA INDEX NAME)



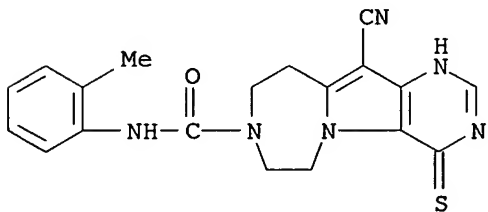
RN 590387-90-9 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-2-naphthalenyl-4-thioxo- (9CI) (CA
INDEX NAME)



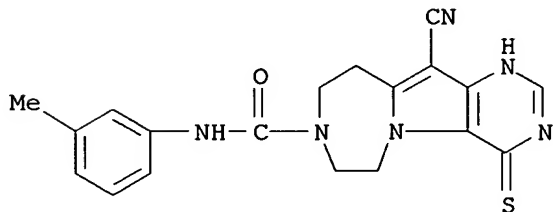
RN 590387-91-0 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(2-methylphenyl)-4-thioxo- (9CI) (CA
INDEX NAME)



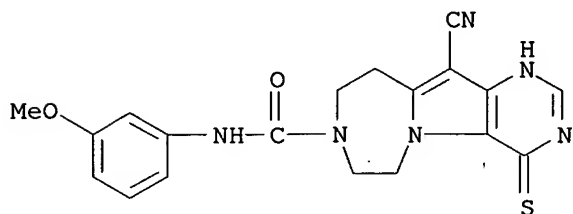
RN 590387-92-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(3-methylphenyl)-4-thioxo- (9CI) (CA
INDEX NAME)



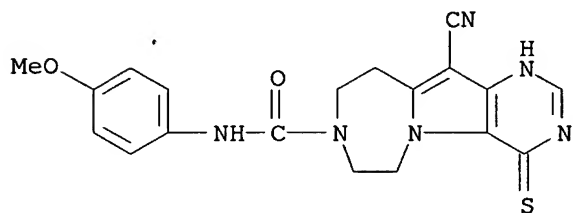
RN 590387-93-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(3-methoxyphenyl)-4-thioxo- (9CI) (CA
INDEX NAME)



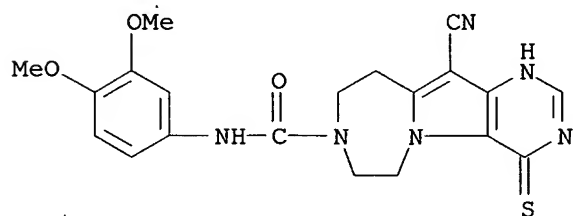
RN 590387-94-3 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(4-methoxyphenyl)-4-thioxo- (9CI) (CA
INDEX NAME)



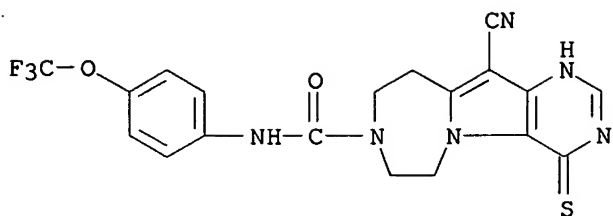
RN 590387-95-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-N-(3,4-dimethoxyphenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)

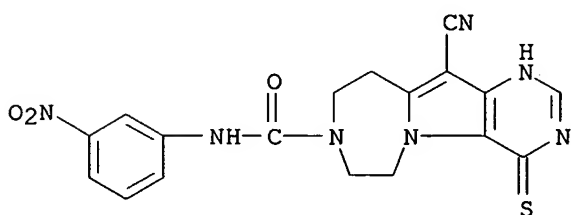


RN 590387-96-5 CAPLUS

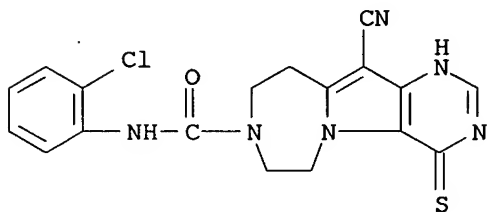
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-N-[4-(trifluoromethoxy)phenyl]-
(9CI) (CA INDEX NAME)



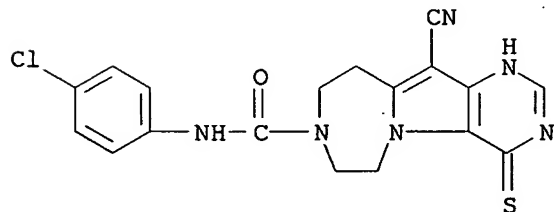
RN 590387-97-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-(3-nitrophenyl)-4-thioxo- (9CI) (CA
 INDEX NAME)



RN 590387-98-7 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 N-(2-chlorophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



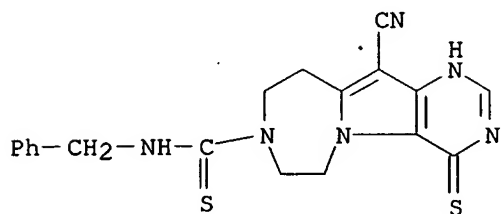
RN 590387-99-8 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 N-(4-chlorophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



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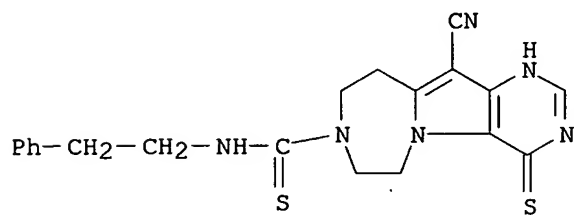
RN 590388-00-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(phenylmethyl)-4-thioxo- (9CI) (CA
INDEX NAME)



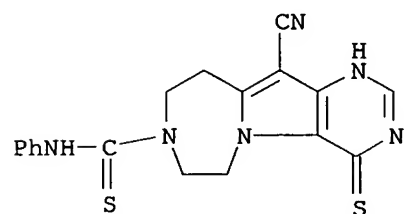
RN 590388-01-5 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(2-phenylethyl)-4-thioxo- (9CI) (CA
INDEX NAME)



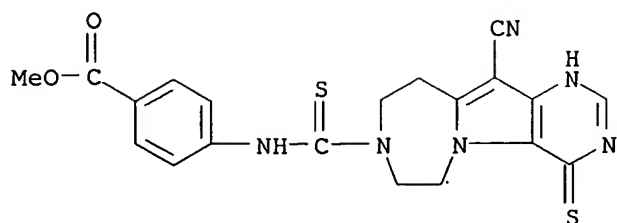
RN 590388-02-6 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

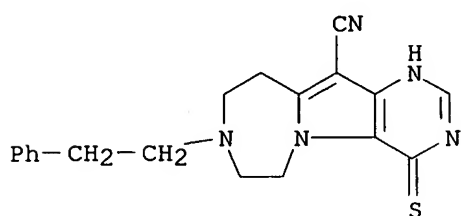


RN 590388-03-7 CAPLUS

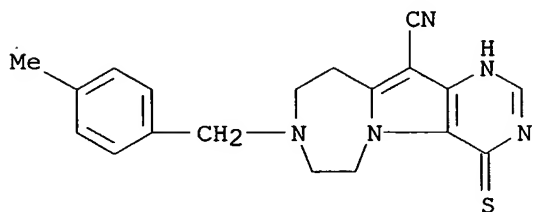
CN Benzoic acid, 4-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-,
methyl ester (9CI) (CA INDEX NAME)



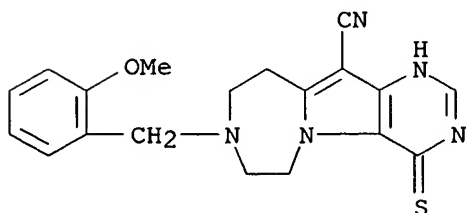
RN 590388-04-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



RN 590388-05-9 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(4-methylphenyl)methyl]-4-thioxo- (9CI) (CA
 INDEX NAME)

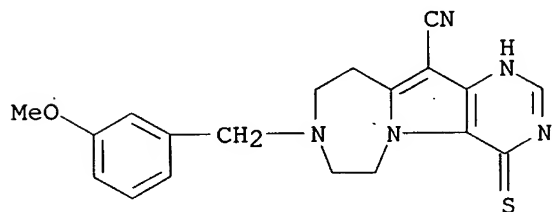


RN 590388-06-0 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(2-methoxyphenyl)methyl]-4-thioxo- (9CI) (CA
 INDEX NAME)

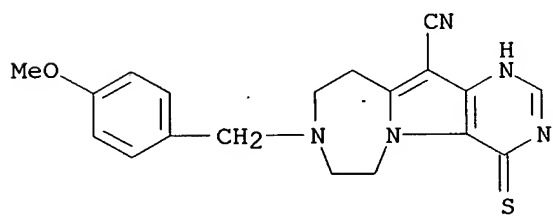


10/505,228

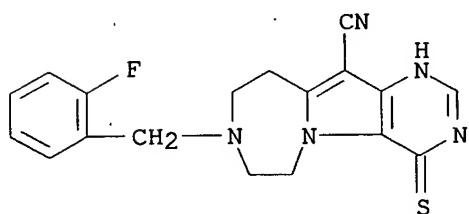
RN 590388-07-1 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(3-methoxyphenyl)methyl]-4-thioxo- (9CI) (CA
INDEX NAME)



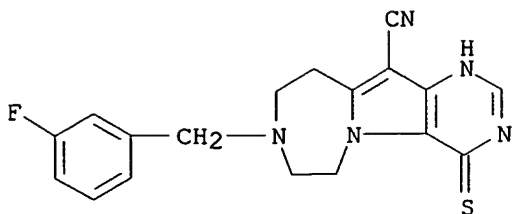
RN 590388-08-2 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(4-methoxyphenyl)methyl]-4-thioxo- (9CI) (CA
INDEX NAME)



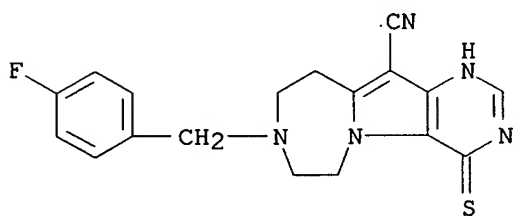
RN 590388-09-3 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-fluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
INDEX NAME)



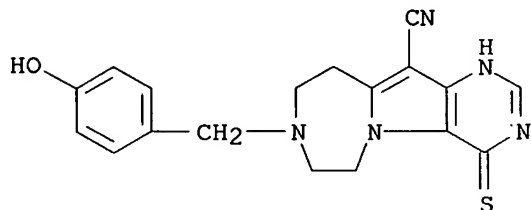
RN 590388-10-6 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(3-fluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
INDEX NAME)



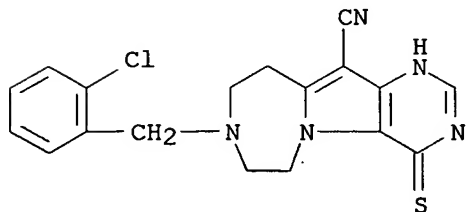
RN 590388-11-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(4-fluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



RN 590388-12-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(4-hydroxyphenyl)methyl]-4-thioxo- (9CI) (CA
 INDEX NAME)



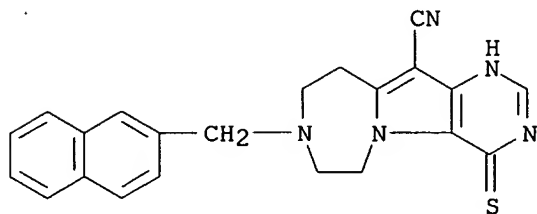
RN 590388-13-9 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(2-chlorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



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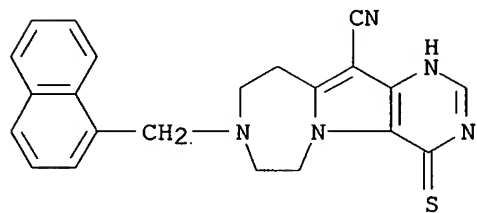
RN 590388-14-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(2-naphthalenylmethyl)-4-thioxo- (9CI) (CA INDEX
NAME)



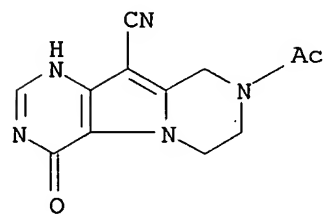
RN 590388-15-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(1-naphthalenylmethyl)-4-thioxo- (9CI) (CA INDEX
NAME)



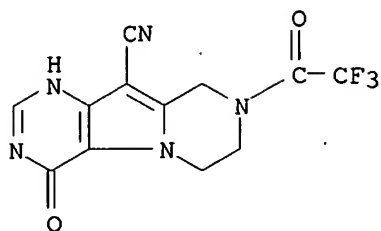
RN 590388-16-2 CAPLUS

CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-10-carbonitrile,
8-acetyl-1,4,6,7,8,9-hexahydro-4-oxo- (9CI) (CA INDEX NAME)

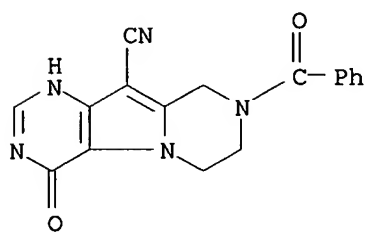


RN 590388-17-3 CAPLUS

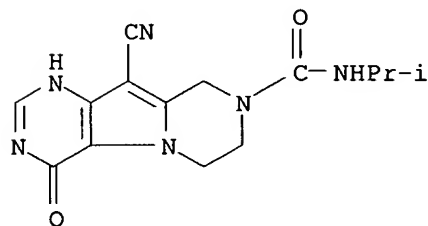
CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-10-carbonitrile,
1,4,6,7,8,9-hexahydro-4-oxo-8-(trifluoroacetyl)- (9CI) (CA INDEX NAME)



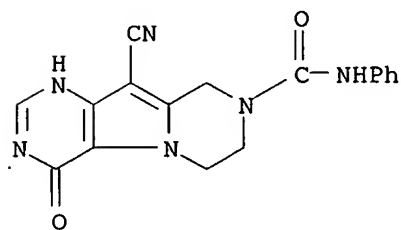
RN 590388-18-4 CAPLUS
 CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-10-carbonitrile,
 8-benzoyl-1,4,6,7,8,9-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 590388-19-5 CAPLUS
 CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-8(1H)-carboxamide,
 10-cyano-4,6,7,9-tetrahydro-N-(1-methylethyl)-4-oxo- (9CI) (CA INDEX
 NAME)



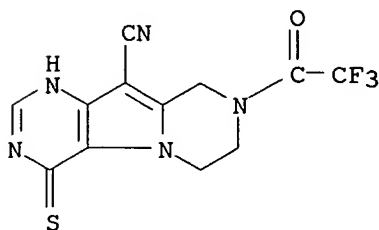
RN 590388-20-8 CAPLUS
 CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-8(1H)-carboxamide,
 10-cyano-4,6,7,9-tetrahydro-4-oxo-N-phenyl- (9CI) (CA INDEX NAME)



RN 590388-21-9 CAPLUS

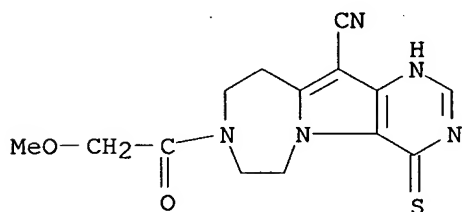
10/505,228

CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-10-carbonitrile,
1,4,6,7,8,9-hexahydro-4-thioxo-8-(trifluoroacetyl)- (9CI) (CA INDEX NAME)



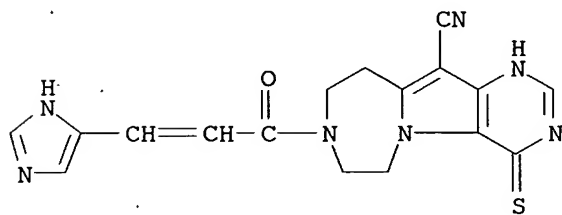
RN 590388-22-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(methoxyacetyl)-4-thioxo- (9CI) (CA INDEX NAME)



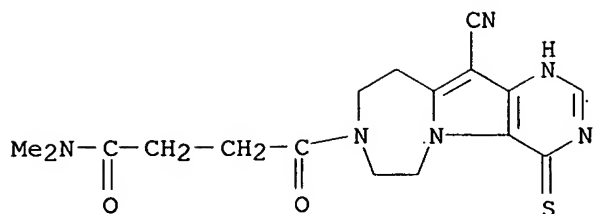
RN 590388-23-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[3-(1H-imidazol-4-yl)-1-oxo-2-propenyl]-4-thioxo-
(9CI) (CA INDEX NAME)



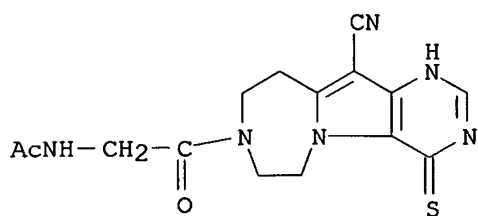
RN 590388-24-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-butanamide,
11-cyano-1,4,6,7,9,10-hexahydro-N,N-dimethyl-γ-oxo-4-thioxo- (9CI)
(CA INDEX NAME)



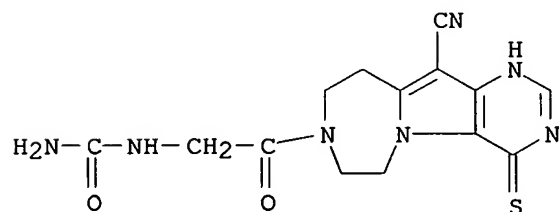
RN 590388-25-3 CAPLUS

CN Acetamide, N-[2-(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)-2-oxoethyl]- (9CI)
(CA INDEX NAME)



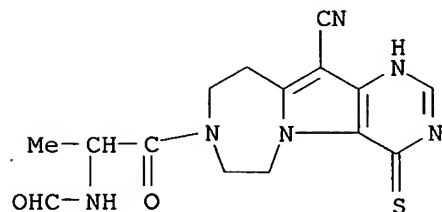
RN 590388-26-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 8-[(aminocarbonyl)amino]acetyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



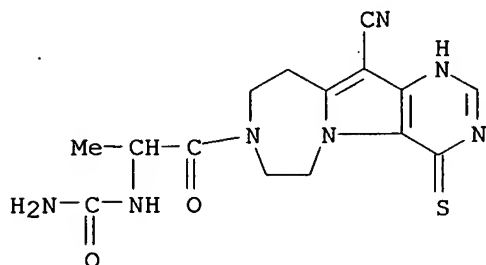
RN 590388-27-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 8-[2-(formylamino)-1-oxopropyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



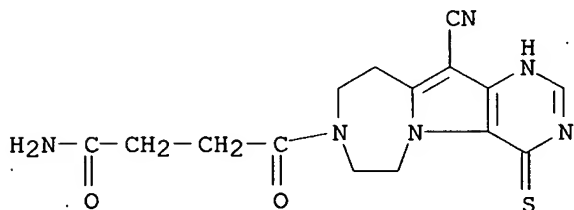
RN 590388-28-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[2-[(aminocarbonyl)amino]-1-oxopropyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



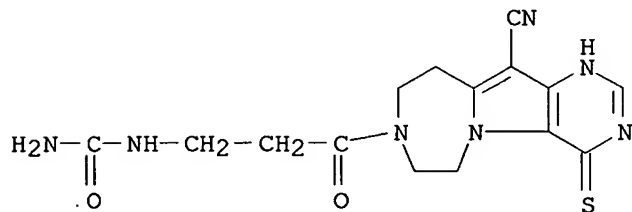
RN 590388-29-7 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-butanamide,
11-cyano-1,4,6,7,9,10-hexahydro-γ-oxo-4-thioxo- (9CI) (CA INDEX
NAME)



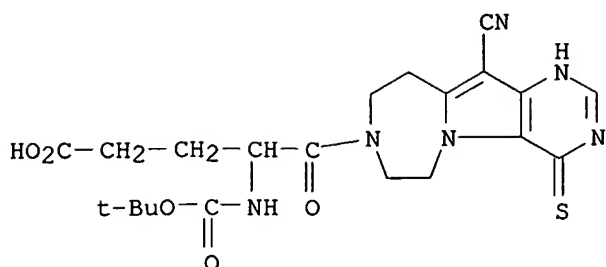
RN 590388-30-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[3-[(aminocarbonyl)amino]-1-oxopropyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



RN 590388-31-1 CAPLUS

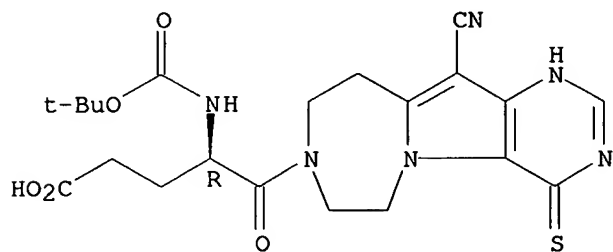
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-pentanoic acid,
11-cyano-γ-[[(1,1-dimethylethoxy) carbonyl] amino]-1,4,6,7,9,10-
hexahydro-δ-oxo-4-thioxo- (9CI) (CA INDEX NAME)



RN 590388-32-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-pentanoic acid, 11-cyano-γ-[[(1,1-dimethylethoxy) carbonyl] amino]-1,4,6,7,9,10-hexahydro-δ-oxo-4-thioxo-, (γR)- (9CI) (CA INDEX NAME)

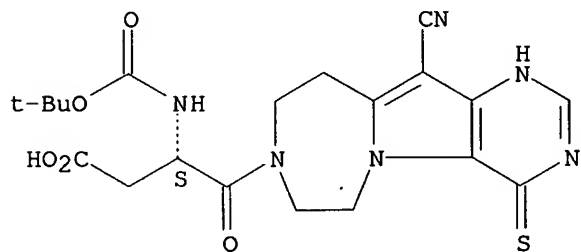
Absolute stereochemistry.



RN 590388-33-3 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-butanoic acid, 11-cyano-β-[[(1,1-dimethylethoxy) carbonyl] amino]-1,4,6,7,9,10-hexahydro-γ-oxo-4-thioxo-, (βS)- (9CI) (CA INDEX NAME)

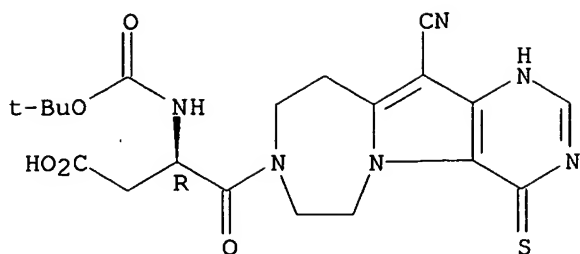
Absolute stereochemistry.



RN 590388-34-4 CAPLUS

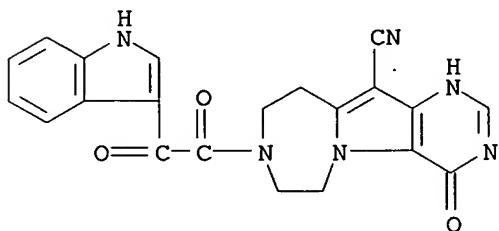
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-butanoic acid, 11-cyano-β-[[(1,1-dimethylethoxy) carbonyl] amino]-1,4,6,7,9,10-hexahydro-γ-oxo-4-thioxo-, (βR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



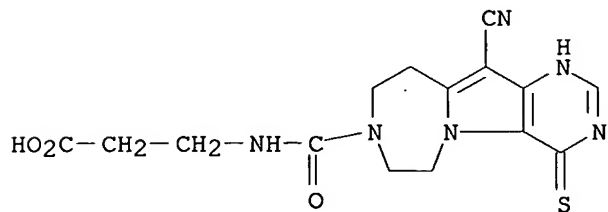
RN 590388-35-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-(1H-indol-3-yloxoacetyl)-4-oxo- (9CI) (CA INDEX NAME)



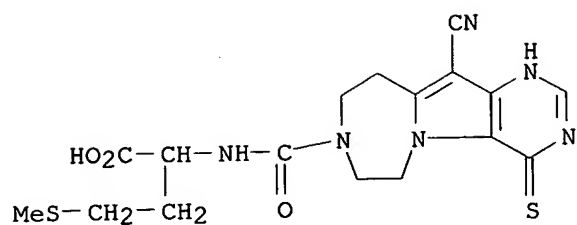
RN 590388-36-6 CAPLUS

CN β -Alanine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]- (9CI) (CA INDEX NAME)



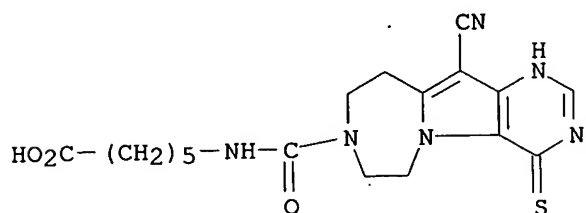
RN 590388-37-7 CAPLUS

CN Methionine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]- (9CI) (CA INDEX NAME)



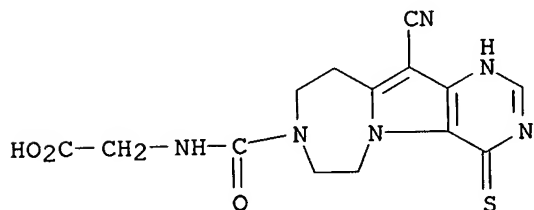
RN 590388-38-8 CAPLUS

CN Hexanoic acid, 6-[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]- (9CI)
(CA INDEX NAME)



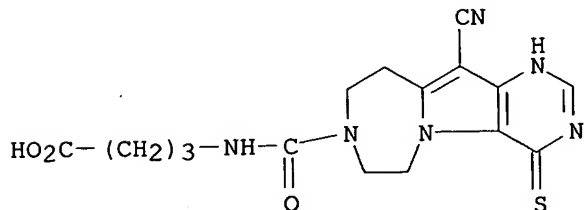
RN 590388-39-9 CAPLUS

CN Glycine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]- (9CI) (CA INDEX NAME)

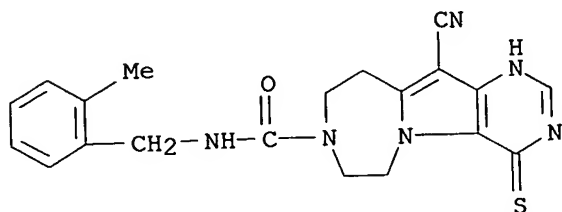


RN 590388-40-2 CAPLUS

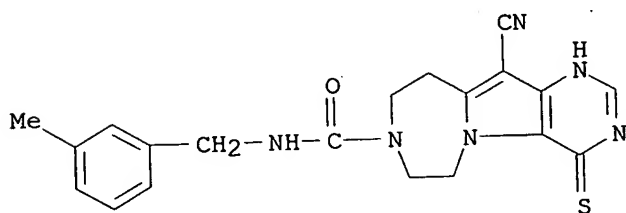
CN Butanoic acid, 4-[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]- (9CI)
(CA INDEX NAME)



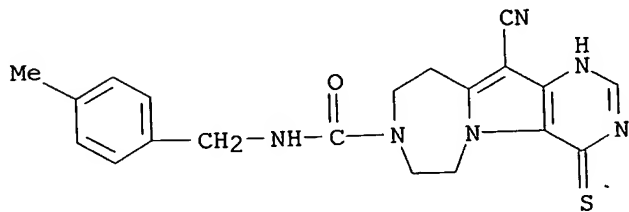
RN 590388-41-3 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-[(2-methylphenyl)methyl]-4-thioxo- (9CI)
 (CA INDEX NAME)



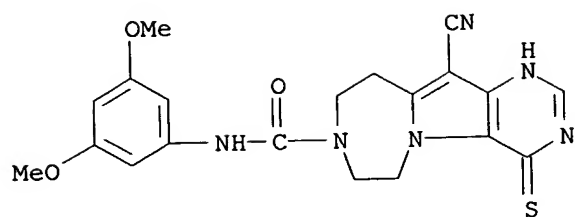
RN 590388-42-4 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-[(3-methylphenyl)methyl]-4-thioxo- (9CI)
 (CA INDEX NAME)



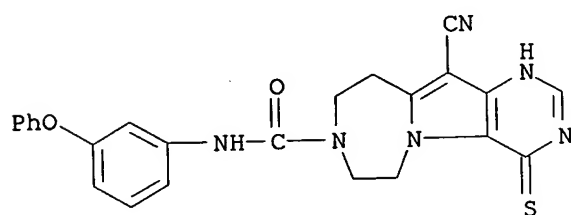
RN 590388-43-5 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-[(4-methylphenyl)methyl]-4-thioxo- (9CI)
 (CA INDEX NAME)



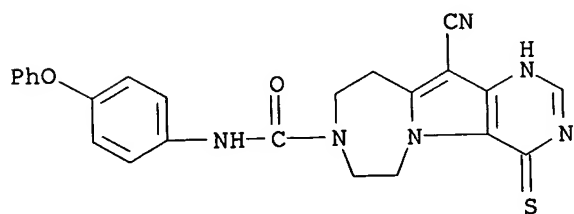
RN 590388-44-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(3,5-dimethoxyphenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



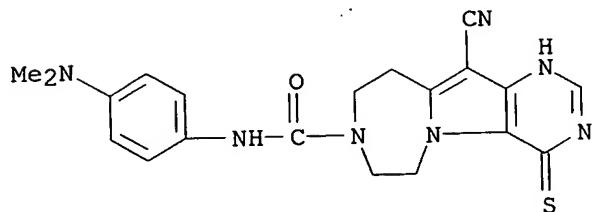
RN 590388-45-7 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-(3-phenoxyphenyl)-4-thioxo- (9CI) (CA
 INDEX NAME)



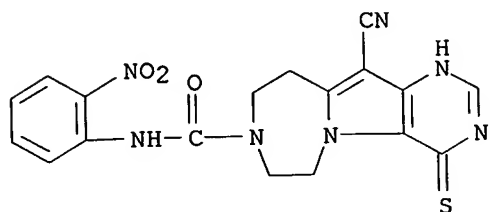
RN 590388-46-8 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-(4-phenoxyphenyl)-4-thioxo- (9CI) (CA
 INDEX NAME)



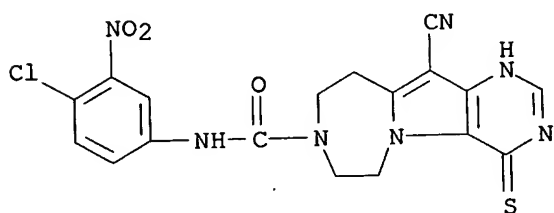
RN 590388-47-9 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-[4-(dimethylamino)phenyl]-1,4,6,7,9,10-hexahydro-4-thioxo-
 (9CI) (CA INDEX NAME)



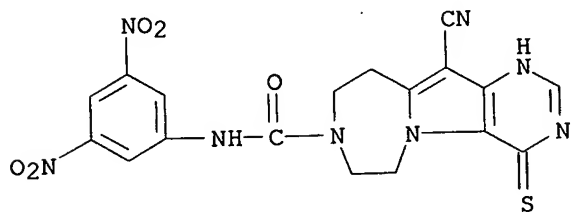
RN 590388-48-0 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-(2-nitrophenyl)-4-thioxo- (9CI) (CA
 INDEX NAME)



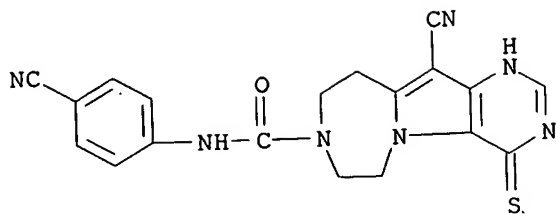
RN 590388-49-1 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 N-(4-chloro-3-nitrophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



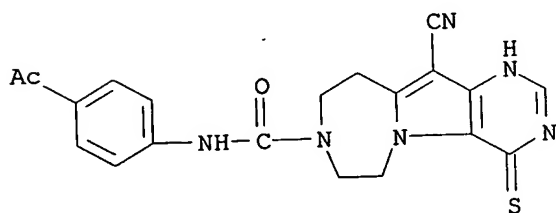
RN 590388-50-4 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(3,5-dinitrophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



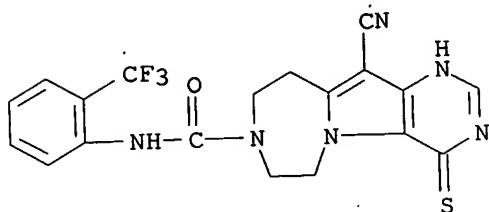
RN 590388-51-5 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(4-cyanophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



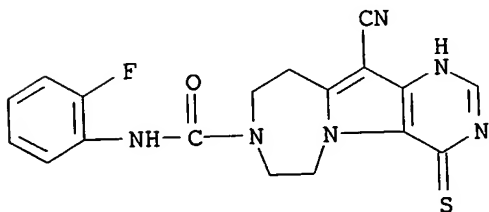
RN 590388-52-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 N-(4-cyano-phenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



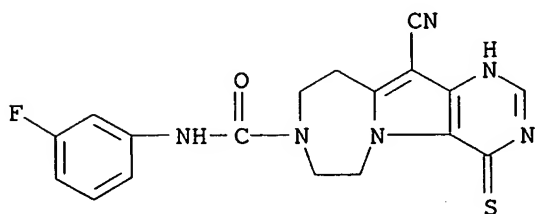
RN 590388-53-7 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-N-[2-(trifluoromethyl)phenyl]-
 (9CI) (CA INDEX NAME)



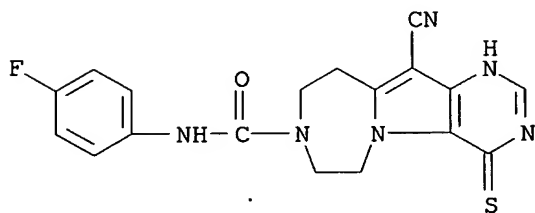
RN 590388-54-8 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(2-fluorophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



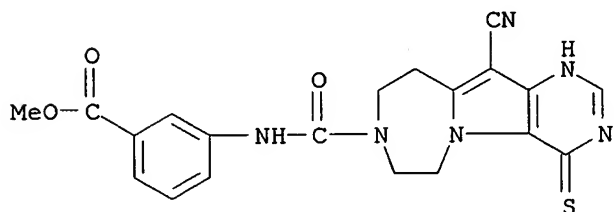
RN 590388-55-9 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(3-fluorophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



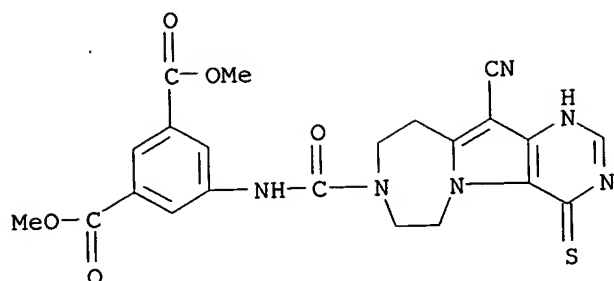
RN 590388-56-0 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(4-fluorophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



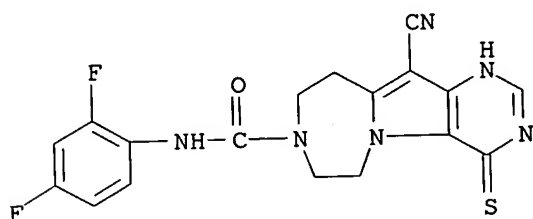
RN 590388-57-1 CAPLUS
 CN Benzoic acid, 3-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
 pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]-,
 methyl ester (9CI) (CA INDEX NAME)



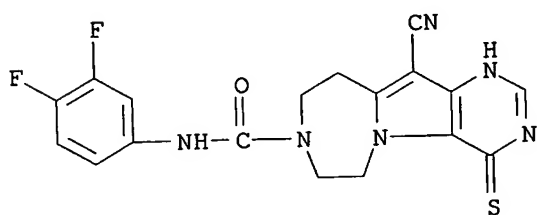
RN 590388-58-2 CAPLUS
 CN 1,3-Benzenedicarboxylic acid, 5-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-
 thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-
 yl)carbonyl]amino]-, dimethyl ester (9CI) (CA INDEX NAME)



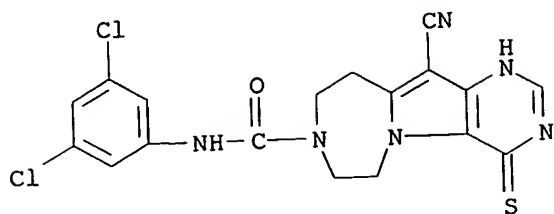
RN 590388-59-3 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(2,4-difluorophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



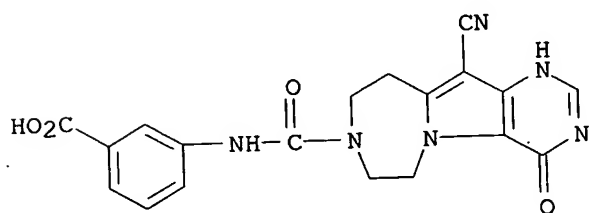
RN 590388-60-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(3,4-difluorophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



RN 590388-61-7 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide,
 11-cyano-N-(3,5-dichlorophenyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)

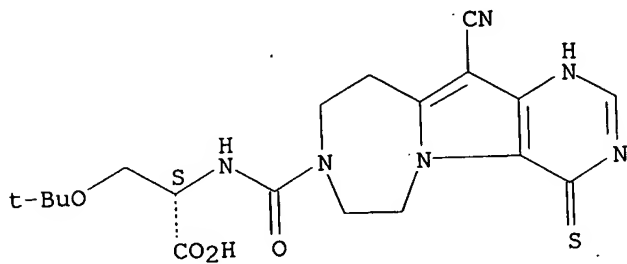


RN 590388-62-8 CAPLUS
 CN Benzoic acid, 3-[[11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl]carbonyl]amino]- (9CI)
 (CA INDEX NAME)



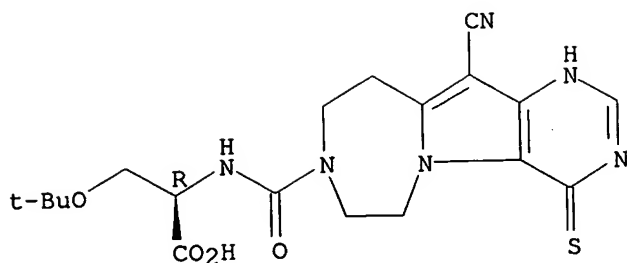
RN 590388-63-9 CAPLUS
 CN L-Serine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-O-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

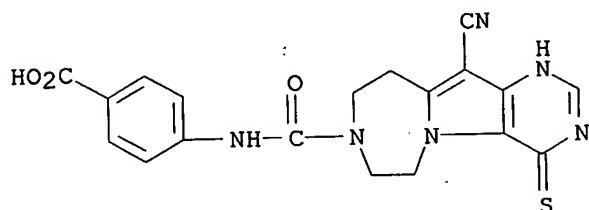


RN 590388-64-0 CAPLUS
 CN D-Serine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]-O-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

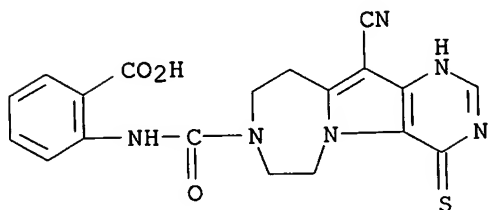
Absolute stereochemistry.



RN 590388-65-1 CAPLUS
 CN Benzoic acid, 4-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]- (9CI)
 (CA INDEX NAME)

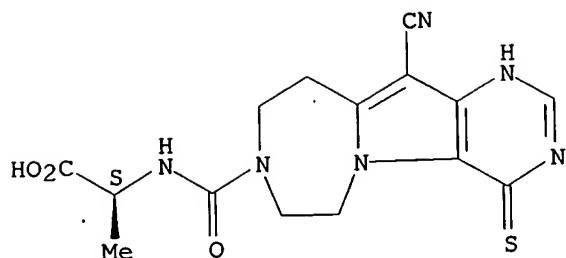


RN 590388-66-2 CAPLUS
 CN Benzoic acid, 2-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]amino]- (9CI)
 (CA INDEX NAME)



RN 590388-67-3 CAPLUS
 CN L-Alanine, N-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]- (9CI) (CA INDEX NAME)

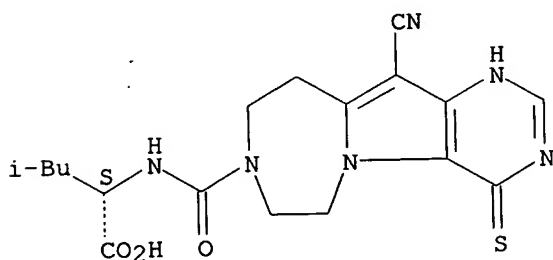
Absolute stereochemistry.



RN 590388-68-4 CAPLUS

CN L-Leucine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]- (9CI) (CA INDEX NAME)

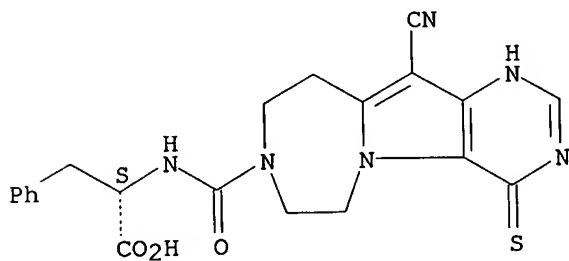
Absolute stereochemistry.



RN 590388-69-5 CAPLUS

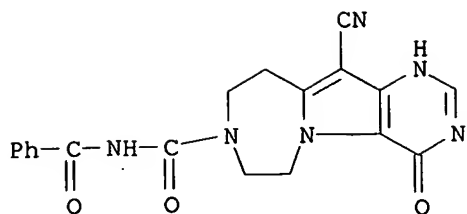
CN L-Phenylalanine, N-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



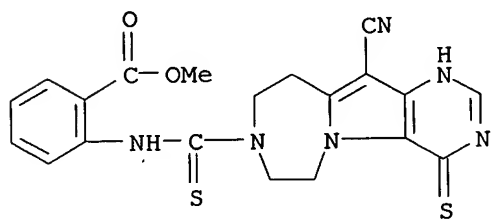
RN 590388-70-8 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carboxamide, N-benzoyl-11-cyano-1,4,6,7,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



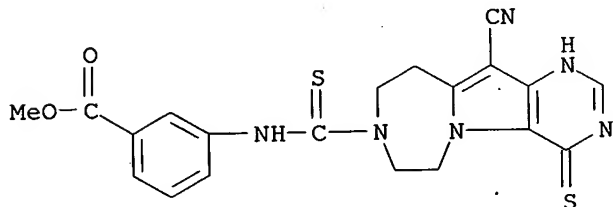
RN 590388-71-9 CAPLUS

CN Benzoic acid, 2-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



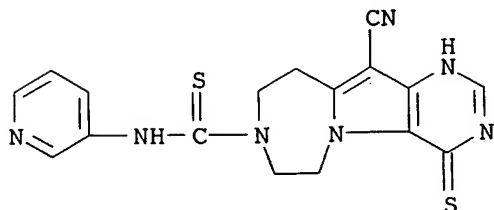
RN 590388-72-0 CAPLUS

CN Benzoic acid, 3-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



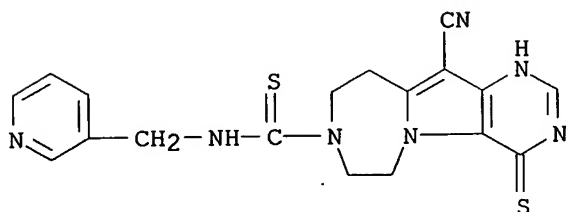
RN 590388-73-1 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide, 11-cyano-1,4,6,7,9,10-hexahydro-N-3-pyridinyl-4-thioxo- (9CI) (CA INDEX NAME)



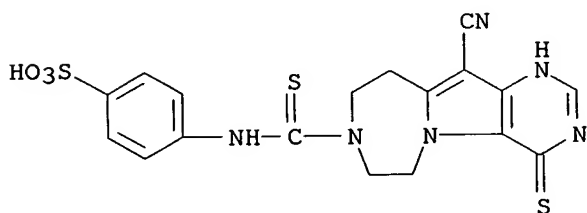
RN 590388-74-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-(3-pyridinylmethyl)-4-thioxo- (9CI) (CA
INDEX NAME)



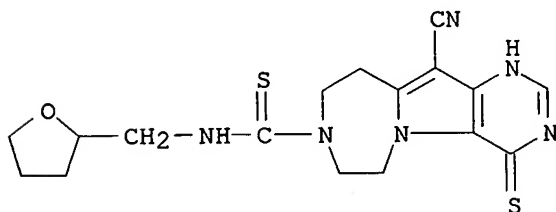
RN 590388-75-3 CAPLUS

CN Benzenesulfonic acid, 4-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-
(9CI) (CA INDEX NAME)



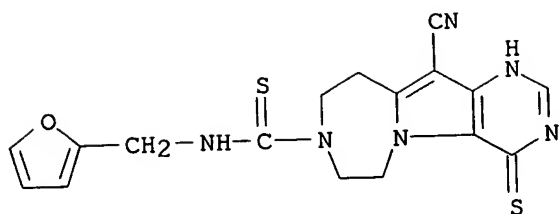
RN 590388-76-4 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-[(tetrahydro-2-furanyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)

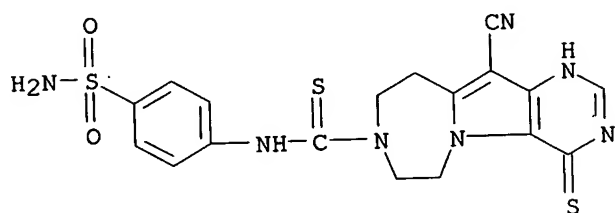


RN 590388-77-5 CAPLUS

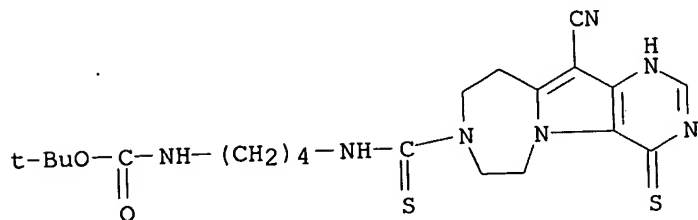
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
11-cyano-N-(2-furanylmethyl)-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
INDEX NAME)



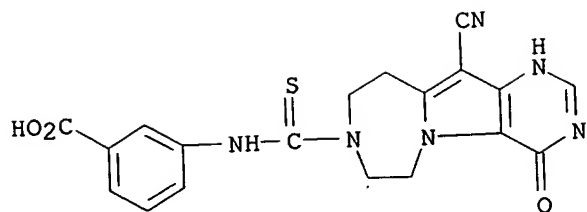
RN 590388-78-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 N-[4-(aminosulfonyl)phenyl]-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-
 (9CI) (CA INDEX NAME)



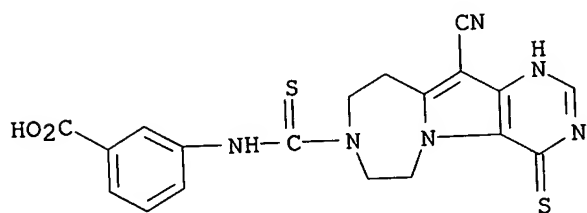
RN 590388-79-7 CAPLUS
 CN Carbamic acid, [4-[[[11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
 pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-
 yl]thioxomethyl]amino]butyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX
 NAME)



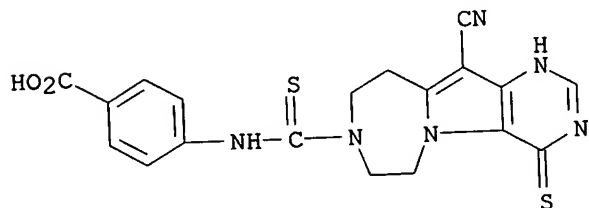
RN 590388-80-0 CAPLUS
 CN Benzoic acid, 3-[[[11-cyano-1,4,6,7,9,10-hexahydro-4-oxo-8H-
 pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl]thioxomethyl]amino]-
 (9CI) (CA INDEX NAME)



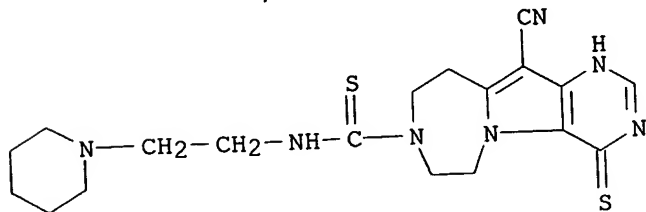
RN 590388-81-1 CAPLUS
 CN Benzoic acid, 3-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-(9CI) (CA INDEX NAME)



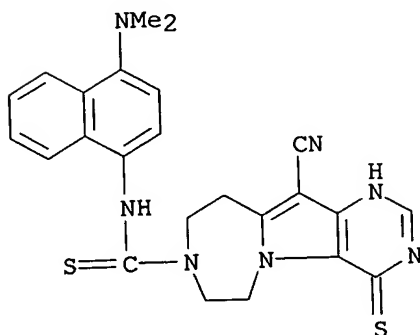
RN 590388-82-2 CAPLUS
 CN Benzoic acid, 4-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-(9CI) (CA INDEX NAME)



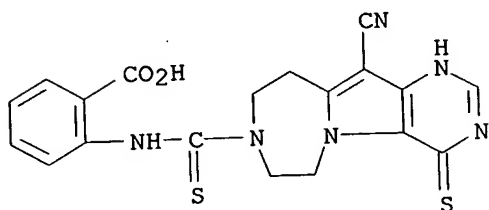
RN 590388-83-3 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide, 11-cyano-1,4,6,7,9,10-hexahydro-N-[2-(1-piperidinyl)ethyl]-4-thioxo- (9CI) (CA INDEX NAME)



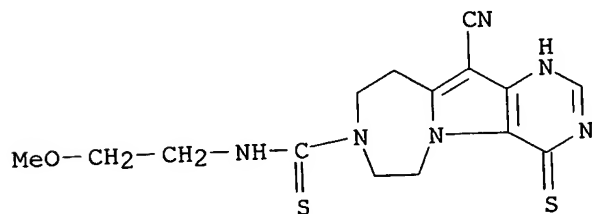
RN 590388-84-4 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 11-cyano-N-[4-(dimethylamino)-1-naphthalenyl]-1,4,6,7,9,10-hexahydro-4-
 thioxo- (9CI) (CA INDEX NAME)



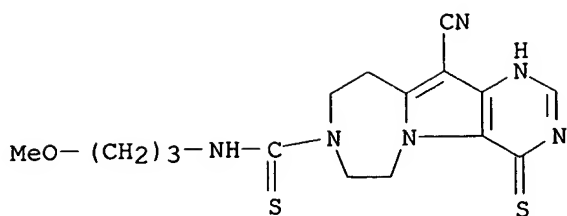
RN 590388-85-5 CAPLUS
 CN Benzoic acid, 2-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
 pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-
 (9CI) (CA INDEX NAME)



RN 590388-86-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-(2-methoxyethyl)-4-thioxo- (9CI) (CA
 INDEX NAME)

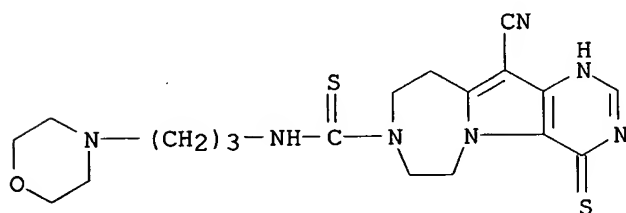


RN 590388-87-7 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 11-cyano-1,4,6,7,9,10-hexahydro-N-(3-methoxypropyl)-4-thioxo- (9CI) (CA
 INDEX NAME)



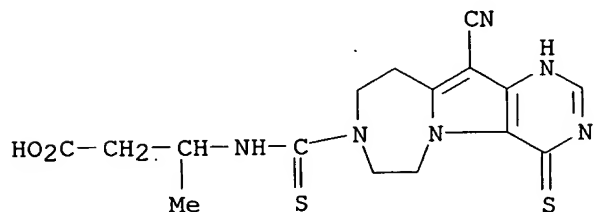
RN 590388-88-8 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
11-cyano-1,4,6,7,9,10-hexahydro-N-[3-(4-morpholinyl)propyl]-4-thioxo-
(9CI) (CA INDEX NAME)



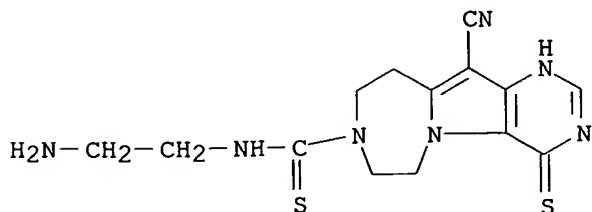
RN 590388-89-9 CAPLUS

CN Butanoic acid, 3-[[[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)thioxomethyl]amino]-
(9CI) (CA INDEX NAME)

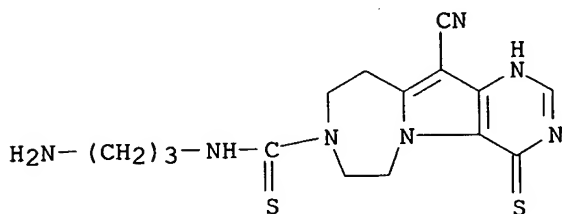


RN 590388-90-2 CAPLUS

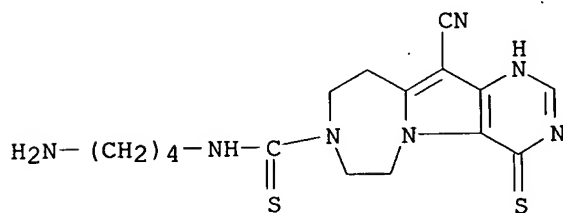
CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
N-(2-aminoethyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
INDEX NAME)



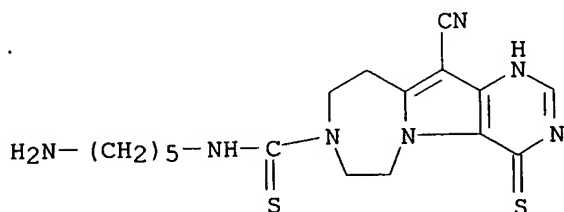
RN 590388-91-3 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 N-(3-aminopropyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



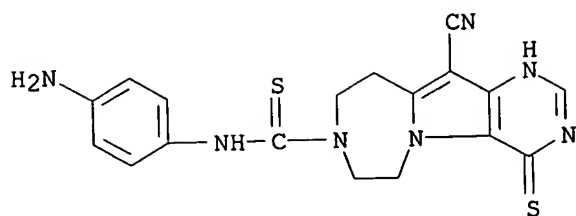
RN 590388-92-4 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 N-(4-aminobutyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



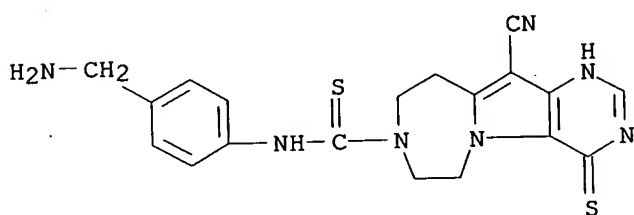
RN 590388-93-5 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 N-(5-aminopentyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



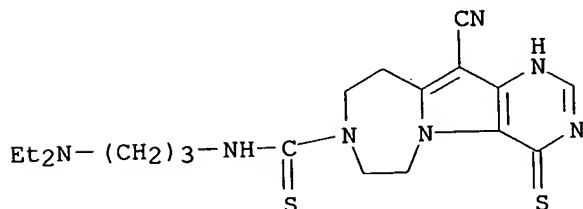
RN 590388-94-6 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 N-(4-aminophenyl)-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



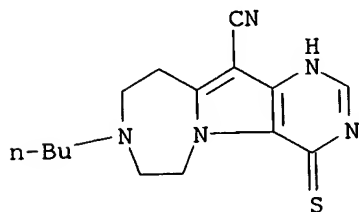
RN 590388-95-7 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 N-[4-(aminomethyl)phenyl]-11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



RN 590388-96-8 CAPLUS
 CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide,
 11-cyano-N-[3-(diethylamino)propyl]-1,4,6,7,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)

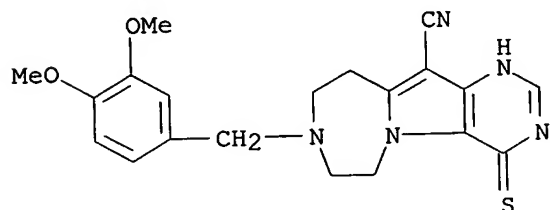


RN 590388-97-9 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-butyl-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

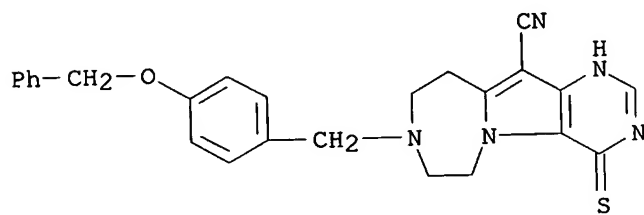


10/505,228

RN 590388-98-0 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(3,4-dimethoxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



RN 590388-99-1 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[4-(phenylmethoxy)phenyl]methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



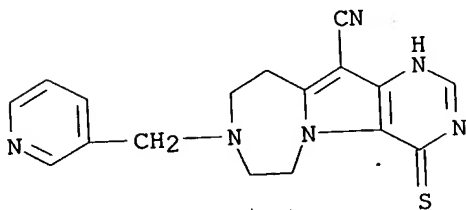
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590389-03-0P 590389-04-1P 590389-05-2P
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590389-09-6P 590389-10-9P 590389-11-0P
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590389-17-6P 590389-18-7P 590389-19-8P
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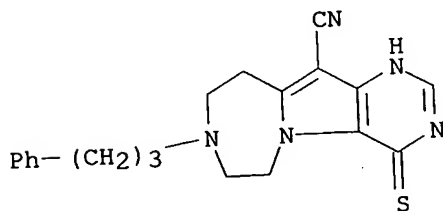
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of pyrrolopyrimidine derivs. as GSK-3
 inhibitors)

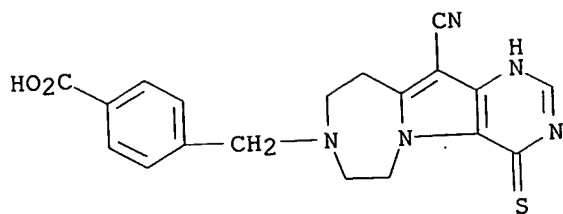
RN 590389-00-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(3-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX
 NAME)



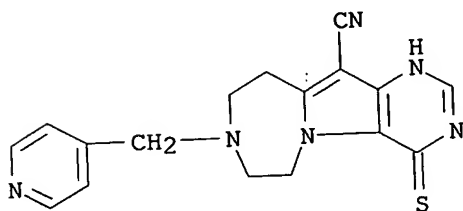
RN 590389-01-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(3-phenylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)



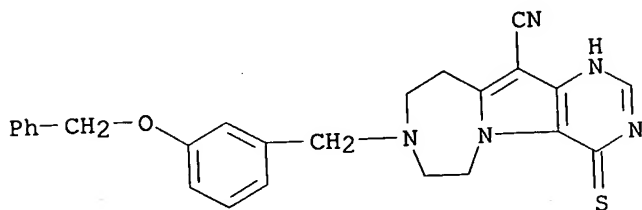
RN 590389-02-9 CAPLUS
 CN Benzoic acid, 4-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
 pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]- (9CI) (CA
 INDEX NAME)



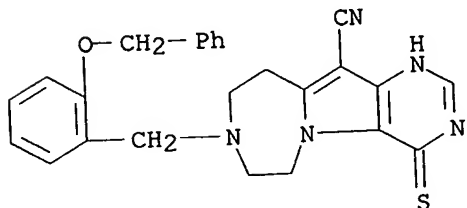
RN 590389-03-0 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(4-pyridinylmethyl)-4-thioxo- (9CI) (CA INDEX
NAME)



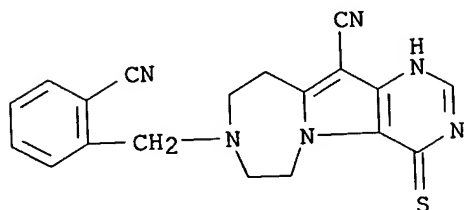
RN 590389-04-1 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[3-(phenylmethoxy)phenyl]methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



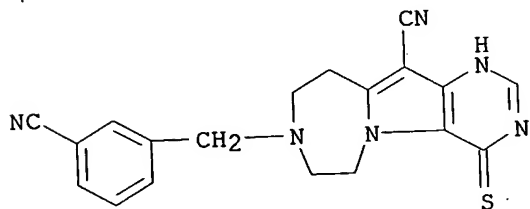
RN 590389-05-2 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[2-(phenylmethoxy)phenyl]methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



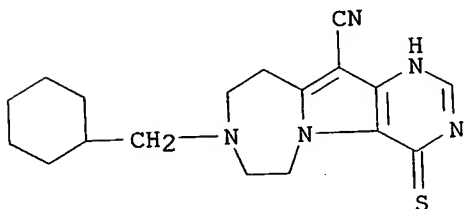
RN 590389-06-3 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(2-cyanophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



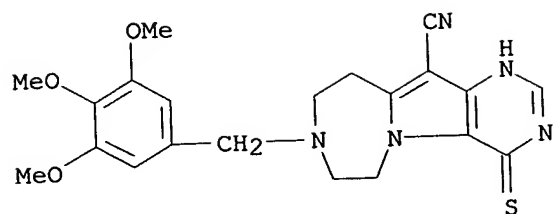
RN 590389-07-4 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(3-cyanophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



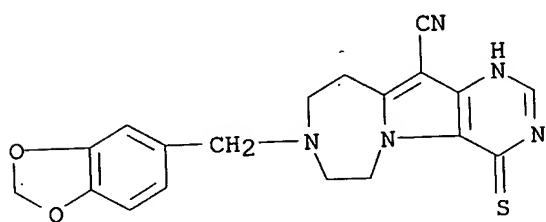
RN 590389-08-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-(cyclohexylmethyl)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX
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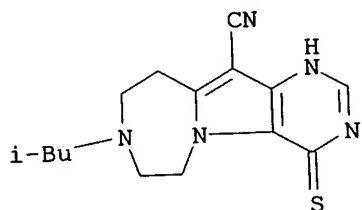
RN 590389-09-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-thioxo-8-[(3,4,5-trimethoxyphenyl)methyl]- (9CI)
 (CA INDEX NAME)



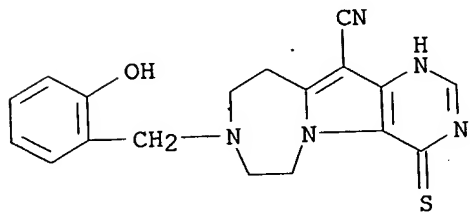
RN 590389-10-9 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-(1,3-benzodioxol-5-ylmethyl)-4-thioxo- (9CI) (CA
 INDEX NAME)



RN 590389-11-0 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(2-methylpropyl)-4-thioxo- (9CI) (CA INDEX NAME)



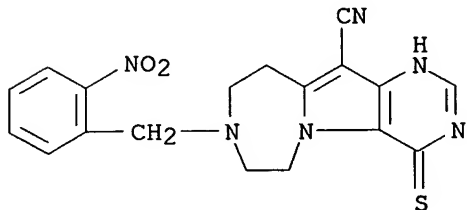
RN 590389-13-2 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(2-hydroxyphenyl)methyl]-4-thioxo- (9CI) (CA
 INDEX NAME)



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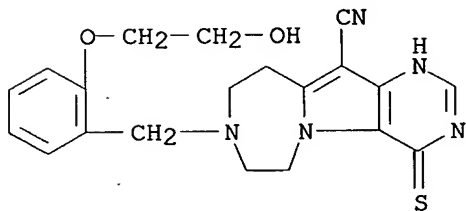
RN 590389-15-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(2-nitrophenyl)methyl]-4-thioxo- (9CI) (CA
INDEX NAME)



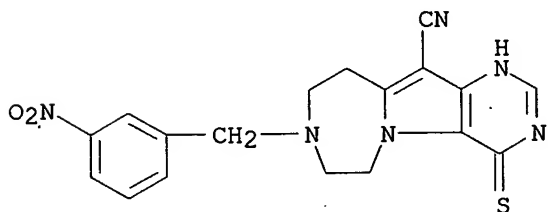
RN 590389-16-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[2-(2-hydroxyethoxy)phenyl]methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



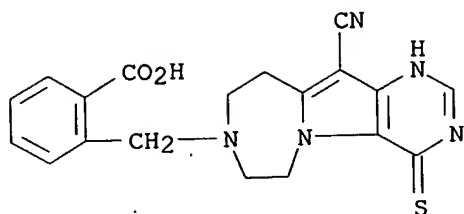
RN 590389-17-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(3-nitrophenyl)methyl]-4-thioxo- (9CI) (CA
INDEX NAME)

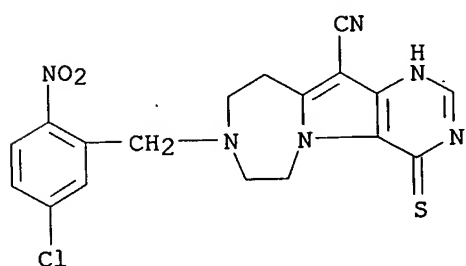


RN 590389-18-7 CAPLUS

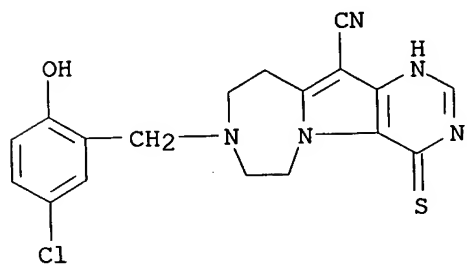
CN Benzoic acid, 2-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-
pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]- (9CI) (CA
INDEX NAME)



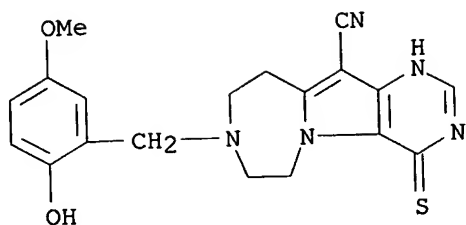
RN 590389-19-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(5-chloro-2-nitrophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



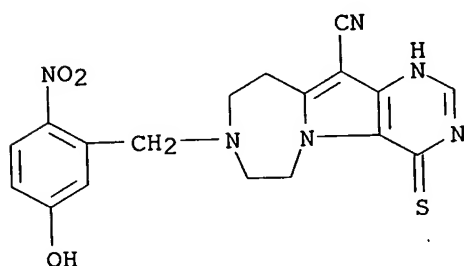
RN 590389-20-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(5-chloro-2-hydroxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
 (9CI) (CA INDEX NAME)



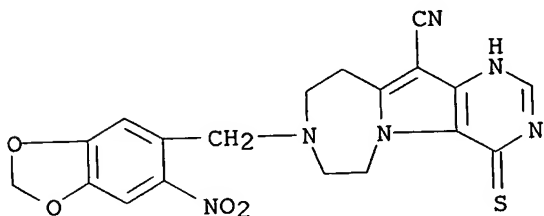
RN 590389-21-2 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(2-hydroxy-5-methoxyphenyl)methyl]-4-thioxo-
 (9CI) (CA INDEX NAME)



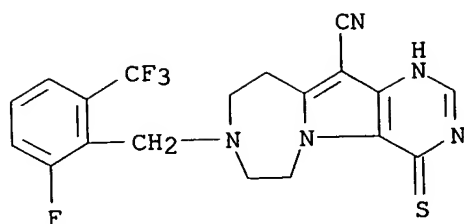
RN 590389-22-3 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(5-hydroxy-2-nitrophenyl)methyl]-4-thioxo- (9CI)
 (CA INDEX NAME)



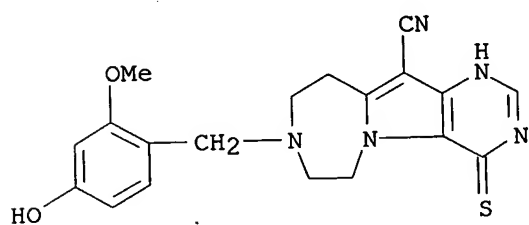
RN 590389-23-4 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(6-nitro-1,3-benzodioxol-5-yl)methyl]-4-thioxo-
 (9CI) (CA INDEX NAME)



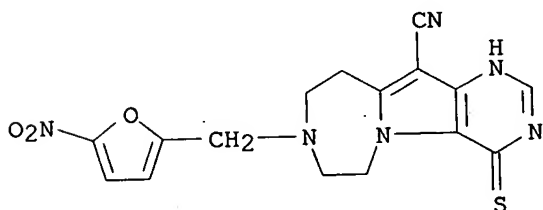
RN 590389-24-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[[2-fluoro-6-(trifluoromethyl)phenyl]methyl]-4,6,7,8,9,10-hexahydro-4-
 thioxo- (9CI) (CA INDEX NAME)



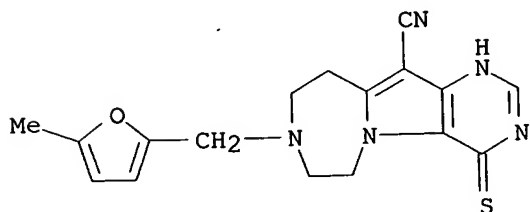
RN 590389-25-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(4-hydroxy-2-methoxyphenyl)methyl]-4-thioxo-
 (9CI) (CA INDEX NAME)



RN 590389-26-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(5-nitro-2-furanyl)methyl]-4-thioxo- (9CI) (CA
 INDEX NAME)



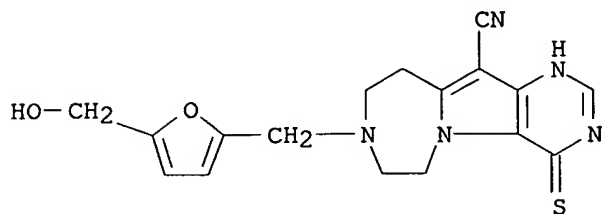
RN 590389-27-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(5-methyl-2-furanyl)methyl]-4-thioxo- (9CI) (CA
 INDEX NAME)



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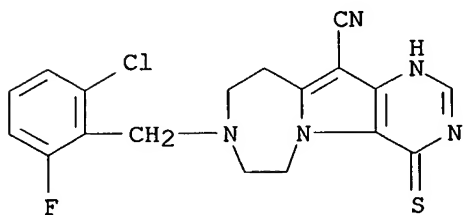
RN 590389-28-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[5-(hydroxymethyl)-2-furanyl]methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



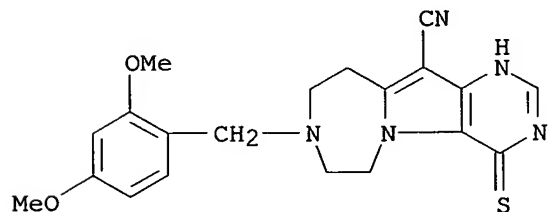
RN 590389-29-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-chloro-6-fluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



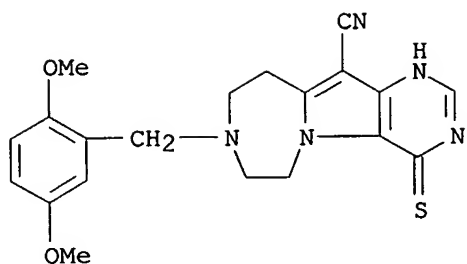
RN 590389-30-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2,4-dimethoxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)

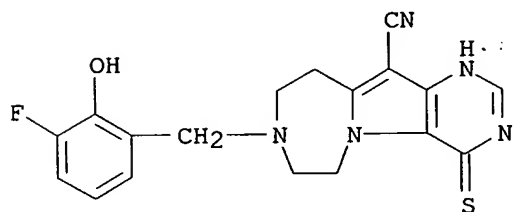


RN 590389-31-4 CAPLUS

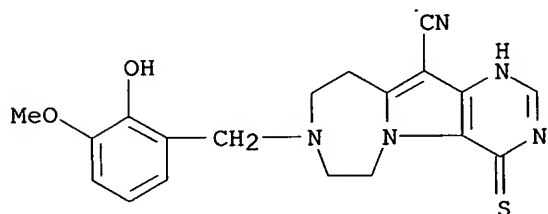
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2,5-dimethoxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



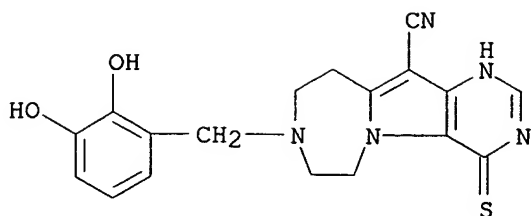
RN 590389-32-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(3-fluoro-2-hydroxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
 (9CI) (CA INDEX NAME)



RN 590389-33-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[(2-hydroxy-3-methoxyphenyl)methyl]-4-thioxo-
 (9CI) (CA INDEX NAME)

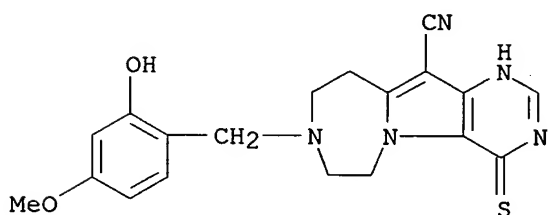


RN 590389-34-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(2,3-dihydroxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



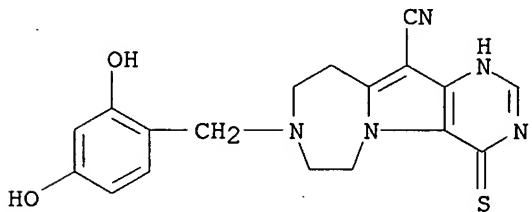
RN 590389-35-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(2-hydroxy-4-methoxyphenyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



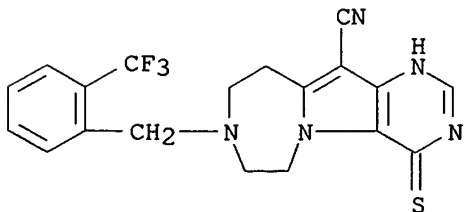
RN 590389-36-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2,4-dihydroxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)

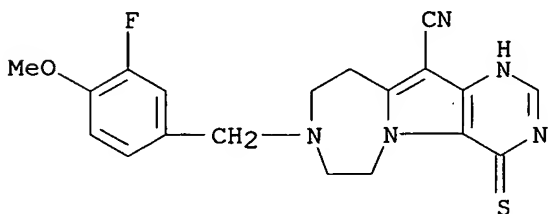


RN 590389-37-0 CAPLUS

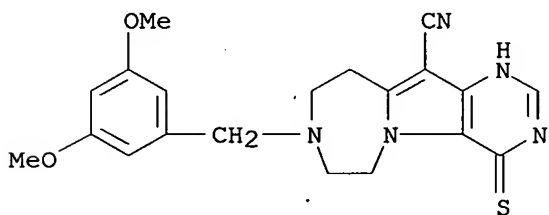
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-thioxo-8-[[2-(trifluoromethyl)phenyl]methyl]-
(9CI) (CA INDEX NAME)



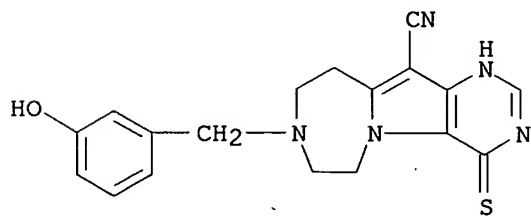
RN 590389-38-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(3-fluoro-4-methoxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)

RN 590389-39-2 CAPLUS

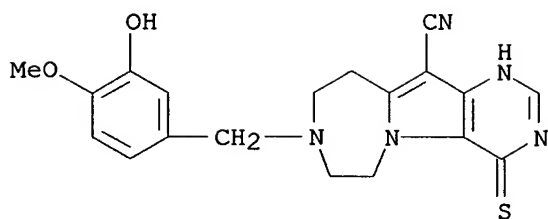
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(3,5-dimethoxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)

RN 590389-40-5 CAPLUS

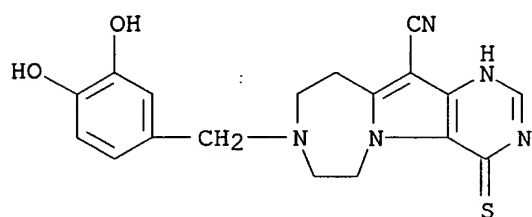
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(3-hydroxyphenyl)methyl]-4-thioxo- (9CI) (CA
INDEX NAME)

RN 590389-41-6 CAPLUS

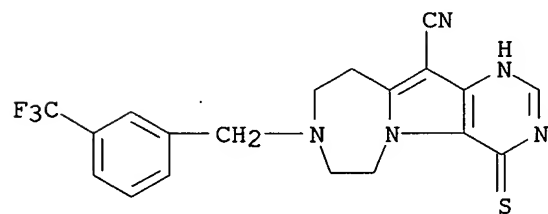
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(3-hydroxy-4-methoxyphenyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



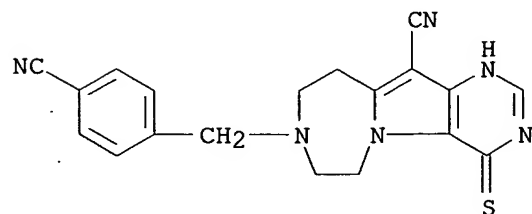
RN 590389-42-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(3,4-dihydroxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
 (CA INDEX NAME)



RN 590389-43-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-thioxo-8-[[3-(trifluoromethyl)phenyl]methyl]-
 (9CI) (CA INDEX NAME)

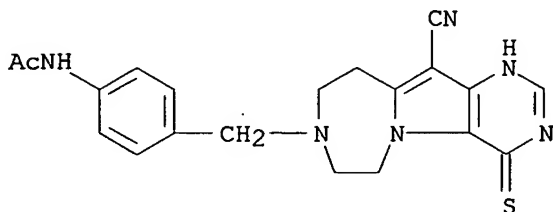


RN 590389-44-9 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(4-cyanophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



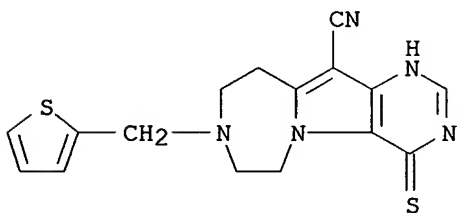
RN 590389-45-0 CAPLUS

CN Acetamide, N-[4-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]phenyl]- (9CI)
(CA INDEX NAME)



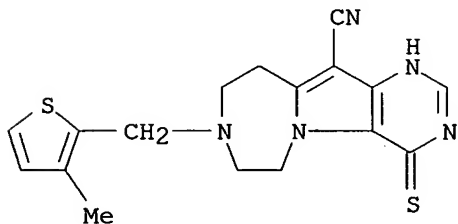
RN 590389-46-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-(2-thienylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



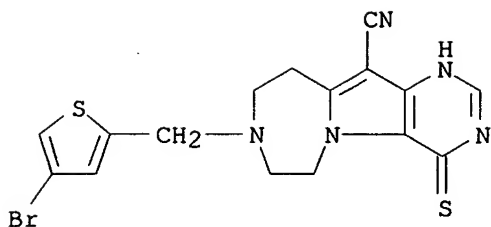
RN 590389-47-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-[(3-methyl-2-thienyl)methyl]-4-thioxo- (9CI) (CA INDEX NAME)



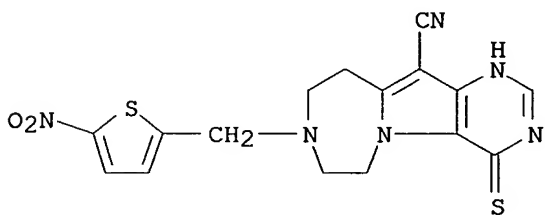
RN 590389-48-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 8-[(4-bromo-2-thienyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



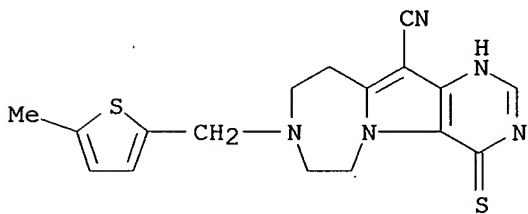
RN 590389-49-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(5-nitro-2-thienyl)methyl]-4-thioxo- (9CI) (CA
INDEX NAME)



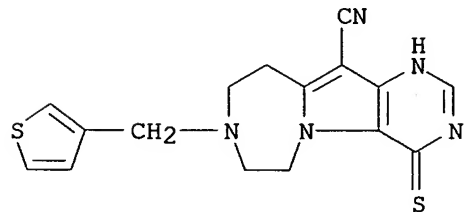
RN 590389-50-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(5-methyl-2-thienyl)methyl]-4-thioxo- (9CI) (CA
INDEX NAME)



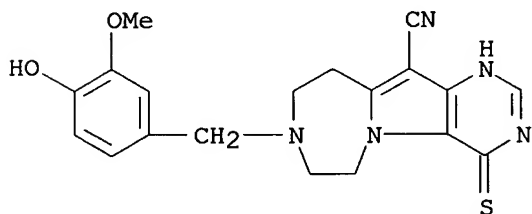
RN 590389-51-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(3-thienylmethyl)-4-thioxo- (9CI) (CA INDEX
NAME)



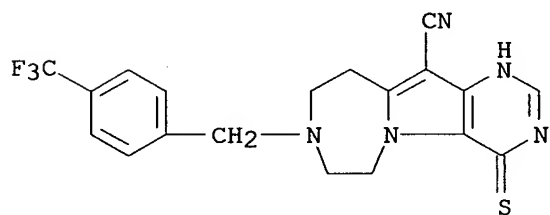
RN 590389-52-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(4-hydroxy-3-methoxyphenyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



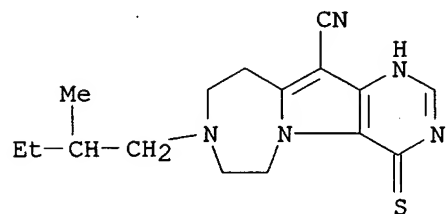
RN 590389-53-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
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(9CI) (CA INDEX NAME)



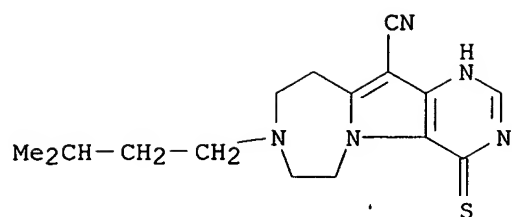
RN 590389-54-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(2-methylbutyl)-4-thioxo- (9CI) (CA INDEX NAME)



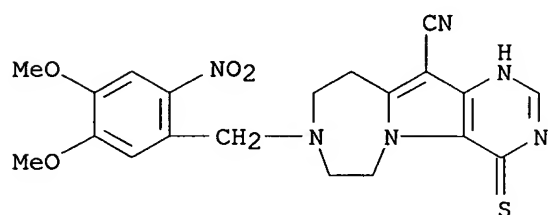
RN 590389-55-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(3-methylbutyl)-4-thioxo- (9CI) (CA INDEX NAME)



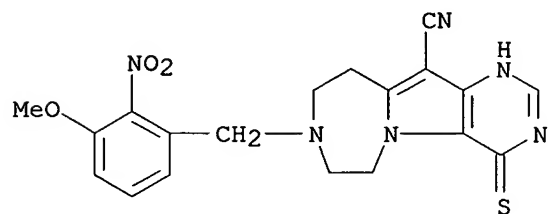
RN 590389-56-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(4,5-dimethoxy-2-nitrophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



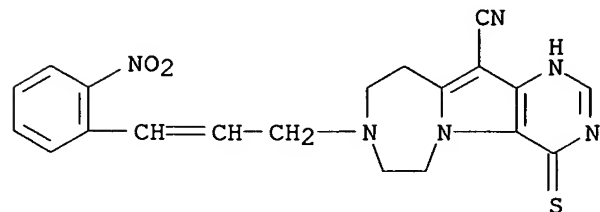
RN 590389-57-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(3-methoxy-2-nitrophenyl)methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



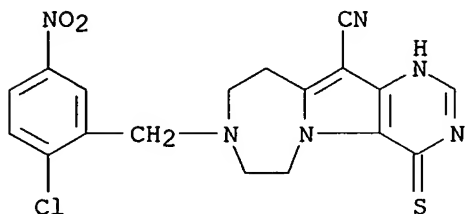
RN 590389-58-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[3-(2-nitrophenyl)-2-propenyl]-4-thioxo- (9CI)
(CA INDEX NAME)



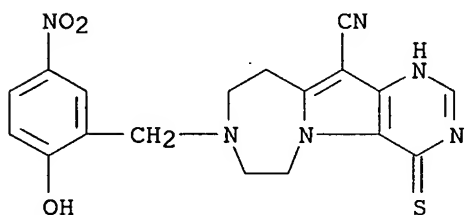
RN 590389-59-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-chloro-5-nitrophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



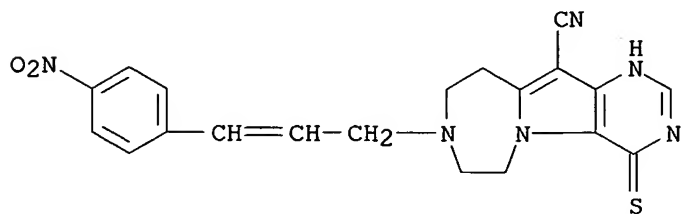
RN 590389-60-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(2-hydroxy-5-nitrophenyl)methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



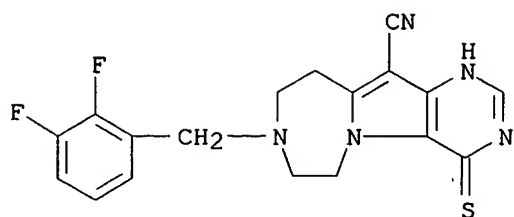
RN 590389-61-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[3-(4-nitrophenyl)-2-propenyl]-4-thioxo- (9CI)
(CA INDEX NAME)

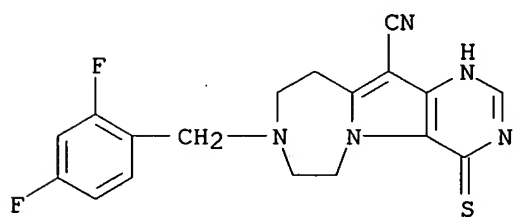


RN 590389-62-1 CAPLUS

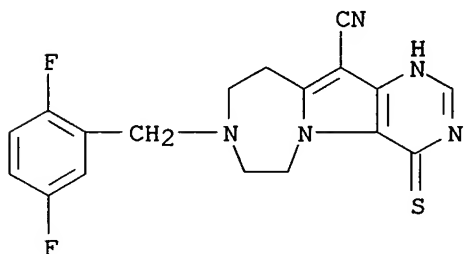
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2,3-difluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
INDEX NAME)



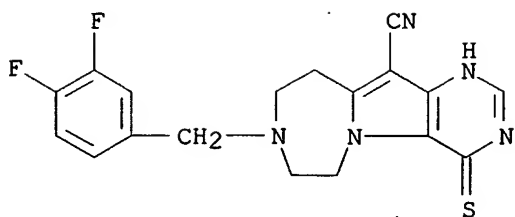
RN 590389-63-2 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(2,4-difluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



RN 590389-64-3 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(2,5-difluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)

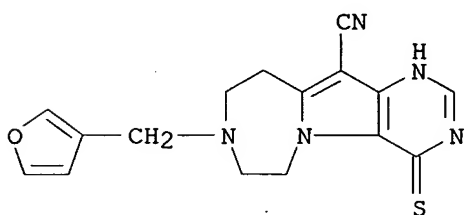


RN 590389-65-4 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(3,4-difluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
 INDEX NAME)



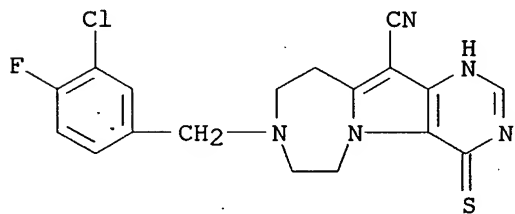
RN 590389-67-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-(3-furanylmethyl)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX
NAME)



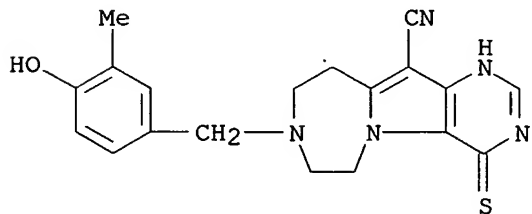
RN 590389-68-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(3-chloro-4-fluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



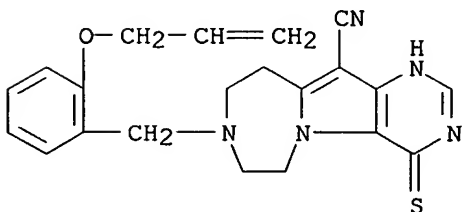
RN 590389-69-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(4-hydroxy-3-methylphenyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



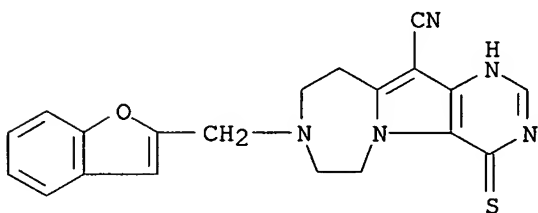
RN 590389-70-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[2-(2-propenyloxy)phenyl]methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



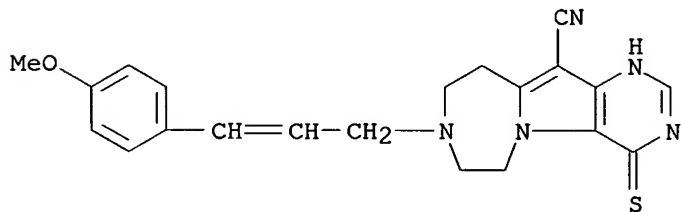
RN 590389-71-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-(2-benzofuranylmethyl)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX
NAME)



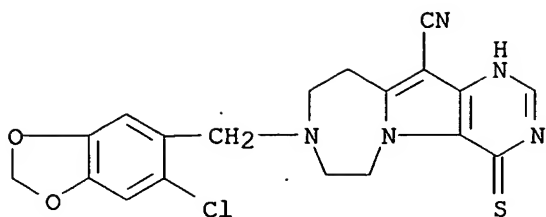
RN 590389-72-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[3-(4-methoxyphenyl)-2-propenyl]-4-thioxo- (9CI)
(CA INDEX NAME)



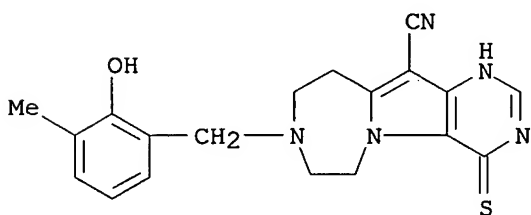
RN 590389-73-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(6-chloro-1,3-benzodioxol-5-yl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



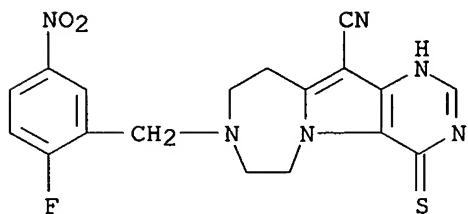
RN 590389-74-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(2-hydroxy-3-methylphenyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



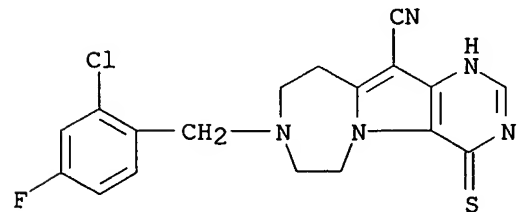
RN 590389-75-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-fluoro-5-nitrophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



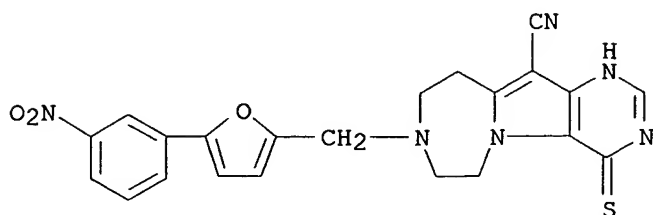
RN 590389-76-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-chloro-4-fluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



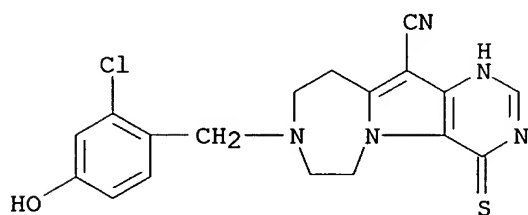
RN 590389-77-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[5-(3-nitrophenyl)-2-furanyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



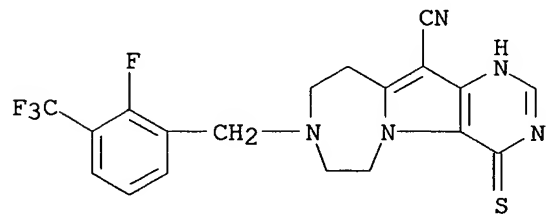
RN 590389-78-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-chloro-4-hydroxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



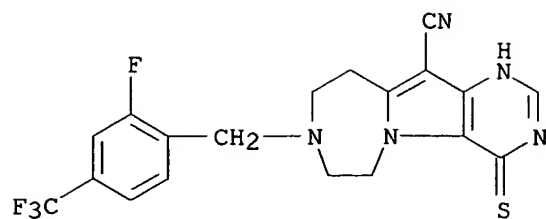
RN 590389-79-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[[2-fluoro-3-(trifluoromethyl)phenyl)methyl]-4,6,7,8,9,10-hexahydro-4-
thioxo- (9CI) (CA INDEX NAME)



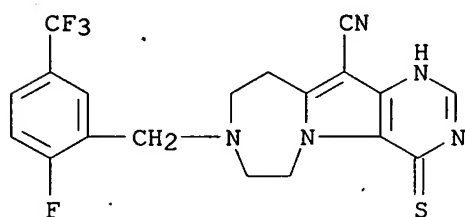
RN 590389-80-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[[2-fluoro-4-(trifluoromethyl)phenyl)methyl]-4,6,7,8,9,10-hexahydro-4-
thioxo- (9CI) (CA INDEX NAME)



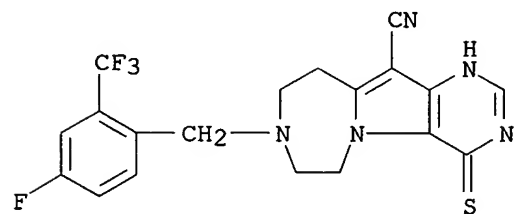
RN 590389-81-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[[2-fluoro-5-(trifluoromethyl)phenyl]methyl]-4,6,7,8,9,10-hexahydro-4-
thioxo- (9CI) (CA INDEX NAME)



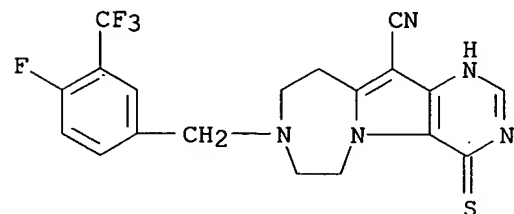
RN 590389-82-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[[4-fluoro-2-(trifluoromethyl)phenyl]methyl]-4,6,7,8,9,10-hexahydro-4-
thioxo- (9CI) (CA INDEX NAME)

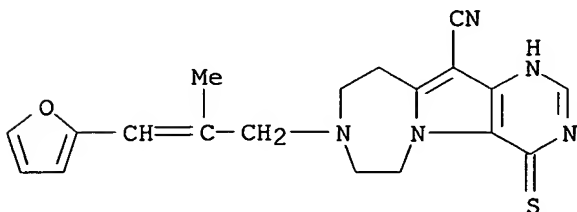


RN 590389-83-6 CAPLUS

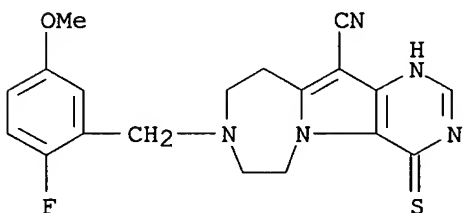
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[[4-fluoro-3-(trifluoromethyl)phenyl]methyl]-4,6,7,8,9,10-hexahydro-4-
thioxo- (9CI) (CA INDEX NAME)



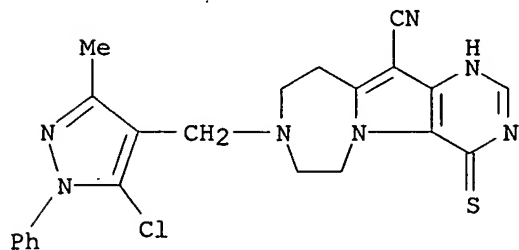
RN 590389-84-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[3-(2-furanyl)-2-methyl-2-propenyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)

RN 590389-85-8 CAPLUS

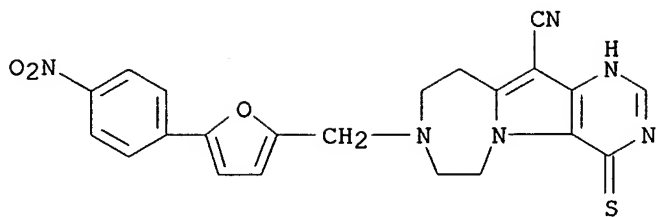
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-fluoro-5-methoxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)

RN 590389-86-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(5-chloro-3-methyl-1-phenyl-1H-pyrazol-4-yl)methyl]-4,6,7,8,9,10-
hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

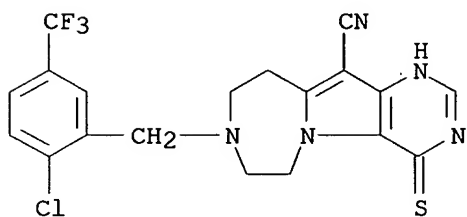
RN 590389-87-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[5-(4-nitrophenyl)-2-furanyl]methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



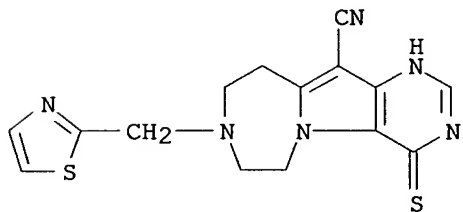
RN 590389-88-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2-chloro-5-(trifluoromethyl)phenyl)methyl]-4,6,7,8,9,10-hexahydro-4-
thioxo- (9CI) (CA INDEX NAME)



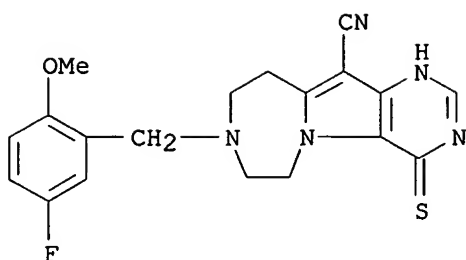
RN 590389-89-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(2-thiazolylmethyl)-4-thioxo- (9CI) (CA INDEX
NAME)



RN 590389-90-5 CAPLUS

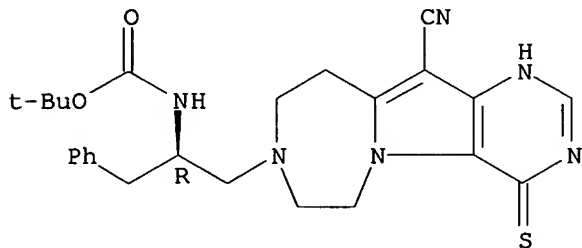
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(5-fluoro-2-methoxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



RN 590389-92-7 CAPLUS

CN Carbamic acid, [(1R)-1-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]-2-phenylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

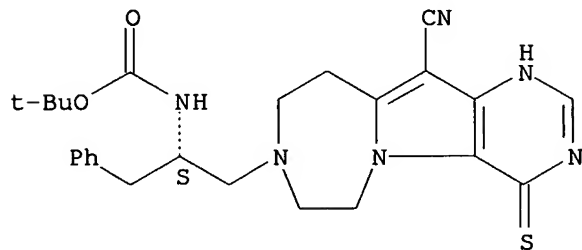
Absolute stereochemistry.



RN 590389-93-8 CAPLUS

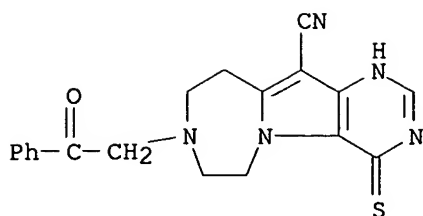
CN Carbamic acid, [(1S)-1-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]-2-phenylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



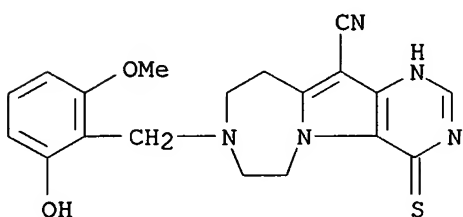
RN 590389-95-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-(2-oxo-2-phenylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



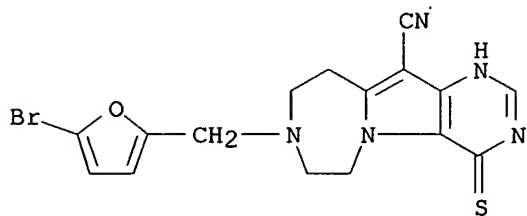
RN 590389-97-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(2-hydroxy-6-methoxyphenyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



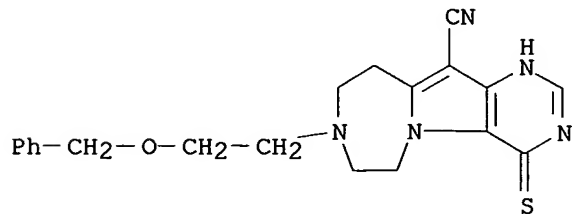
RN 590389-98-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(5-bromo-2-furanyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
INDEX NAME)



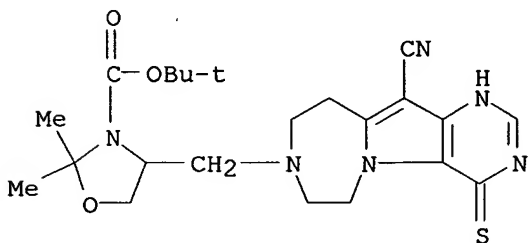
RN 590389-99-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[2-(phenylmethoxy)ethyl]-4-thioxo- (9CI) (CA
INDEX NAME)



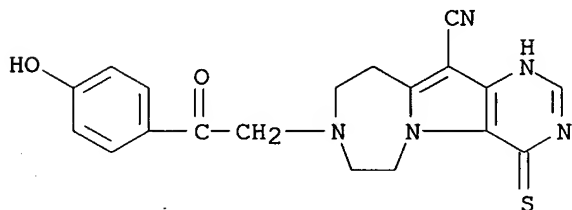
RN 590390-00-4 CAPLUS

CN 3-Oxazolidinecarboxylic acid, 4-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]-2,2-dimethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



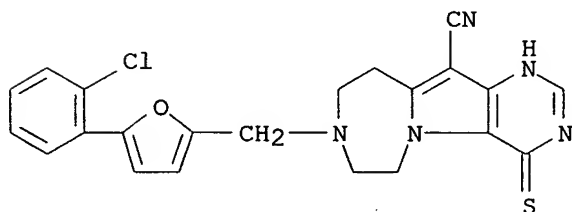
RN 590390-01-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-[2-(4-hydroxyphenyl)-2-oxoethyl]-4-thioxo- (9CI) (CA INDEX NAME)



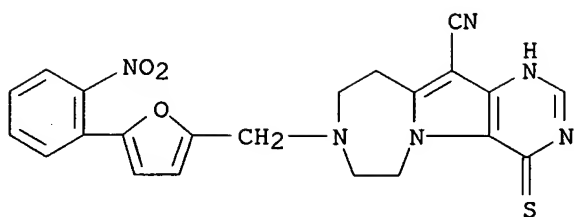
RN 590390-02-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 8-[[5-(2-chlorophenyl)-2-furanyl]methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



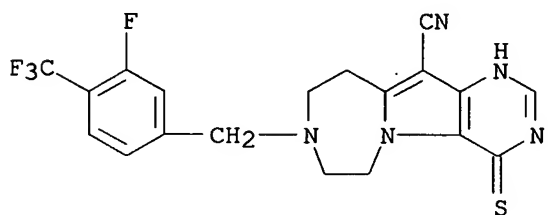
RN 590390-03-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-8-[[5-(2-nitrophenyl)-2-furanyl]methyl]-4-thioxo- (9CI) (CA INDEX NAME)



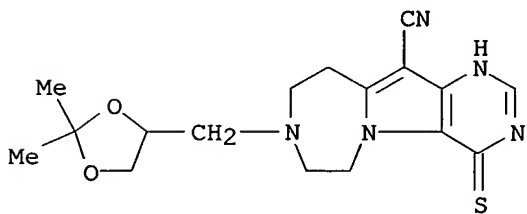
RN 590390-04-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[[3-fluoro-4-(trifluoromethyl)phenyl]methyl]-4,6,7,8,9,10-hexahydro-4-
thioxo- (9CI) (CA INDEX NAME)



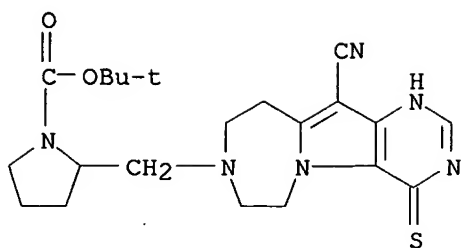
RN 590390-05-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(2,2-dimethyl-1,3-dioxolan-4-yl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



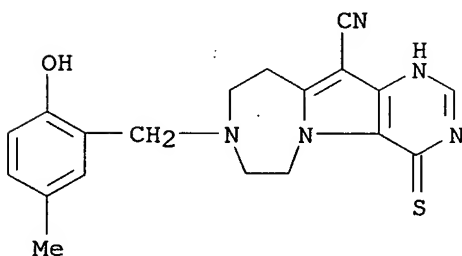
RN 590390-06-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-
8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



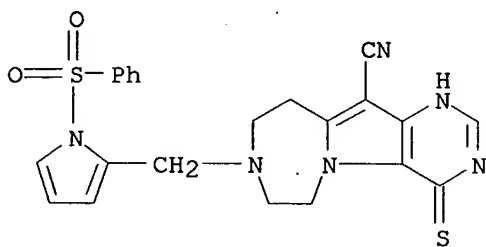
RN 590390-07-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(2-hydroxy-5-methylphenyl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



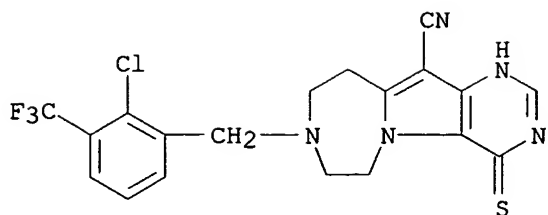
RN 590390-08-2 CAPLUS

CN 1H-Pyrrole, 2-[(11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl)methyl]-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

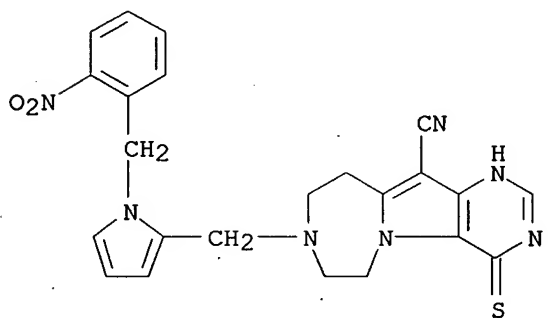


RN 590390-09-3 CAPLUS

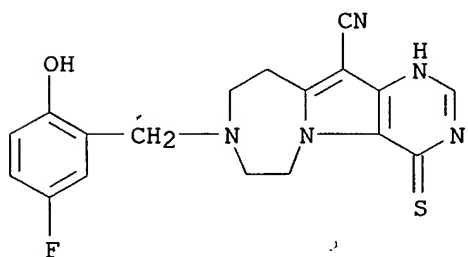
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[[2-chloro-3-(trifluoromethyl)phenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



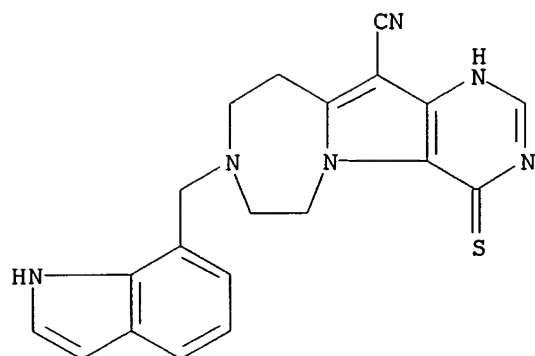
RN 590390-10-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-[[1-[(2-nitrophenyl)methyl]-1H-pyrrol-2-yl]
 methyl]-4-thioxo- (9CI) (CA INDEX NAME)



RN 590390-11-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 8-[(5-fluoro-2-hydroxyphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo-
 (9CI) (CA INDEX NAME)

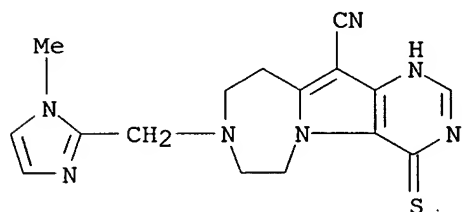


RN 590390-12-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(1H-indol-7-ylmethyl)-4-thioxo- (9CI) (CA INDEX
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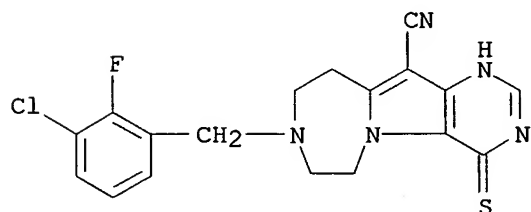
RN 590390-13-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(1-methyl-1H-imidazol-2-yl)methyl]-4-thioxo-
(9CI) (CA INDEX NAME)



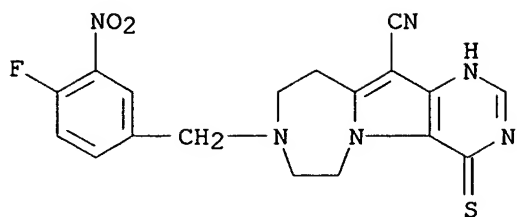
RN 590390-14-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
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(CA INDEX NAME)



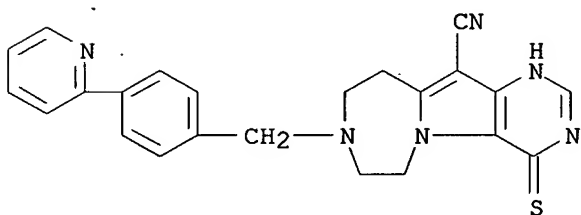
RN 590390-15-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(4-fluoro-3-nitrophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



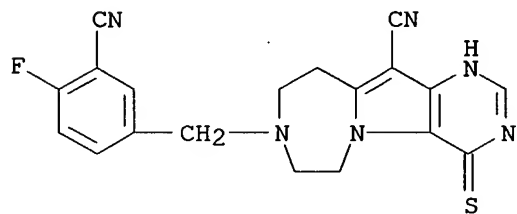
RN 590390-16-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[[4-(2-pyridinyl)phenyl)methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



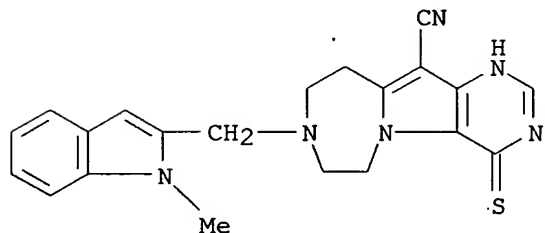
RN 590390-17-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(3-cyano-4-fluorophenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI)
(CA INDEX NAME)



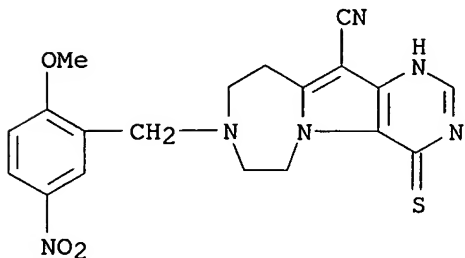
RN 590390-18-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(1-methyl-1H-indol-2-yl)methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



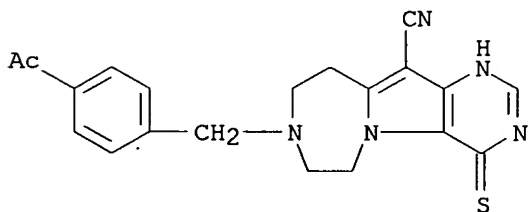
RN 590390-19-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-[(2-methoxy-5-nitrophenyl)methyl]-4-thioxo- (9CI)
(CA INDEX NAME)



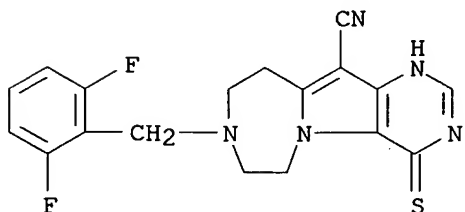
RN 590390-20-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-[(4-acetylphenyl)methyl]-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA
INDEX NAME)



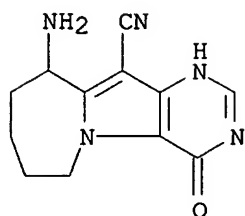
RN 590390-21-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
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INDEX NAME)



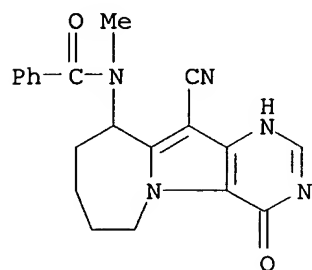
RN 590390-22-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
10-amino-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



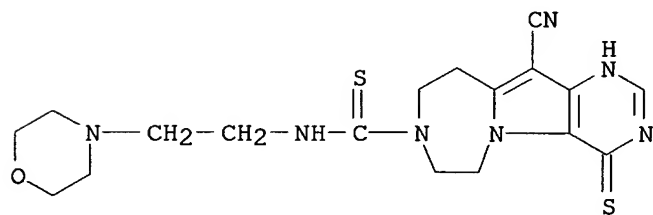
RN 590390-23-1 CAPLUS

CN Benzamide, N-(11-cyano-4,6,7,8,9,10-hexahydro-4-oxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-10-yl)-N-methyl- (9CI) (CA INDEX NAME)



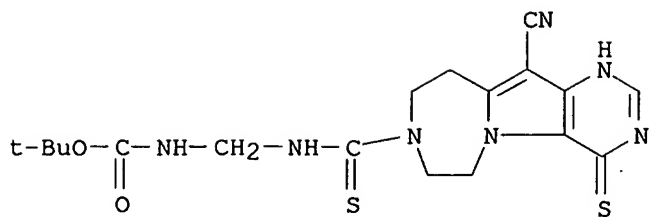
RN 590390-24-2 CAPLUS

CN 8H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-8-carbothioamide, 11-cyano-1,4,6,7,9,10-hexahydro-N-[2-(4-morpholinyl)ethyl]-4-thioxo- (9CI) (CA INDEX NAME)



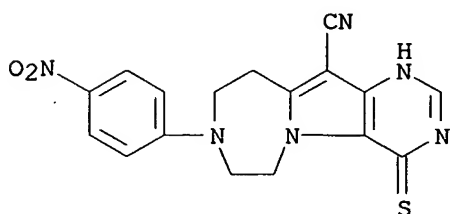
RN 590390-25-3 CAPLUS

CN Carbamic acid, [[[11-cyano-1,4,6,7,9,10-hexahydro-4-thioxo-8H-pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepin-8-yl]thioxomethyl]amino]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



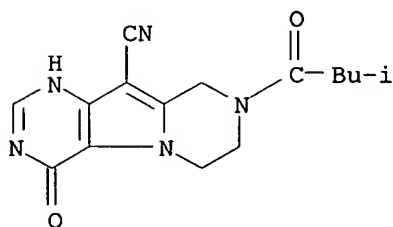
RN 590390-26-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-(4-nitrophenyl)-4-thioxo- (9CI) (CA INDEX NAME)



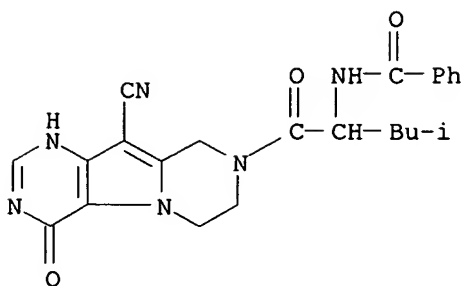
RN 590390-27-5 CAPLUS

CN Pyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidine-10-carbonitrile,
1,4,6,7,8,9-hexahydro-8-(3-methyl-1-oxobutyl)-4-oxo- (9CI) (CA INDEX
NAME)



RN 590390-28-6 CAPLUS

CN Benzamide, N-[1-[(10-cyano-4,6,7,9-tetrahydro-4-oxopyrazino[1',2':1,5]pyrrolo[3,2-d]pyrimidin-8(1H)-yl)carbonyl]-3-methylbutyl]- (9CI) (CA INDEX NAME)

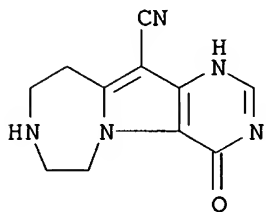


IT 590390-36-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of pyrrolopyrimidine derivs. as GSK-3 inhibitors)

RN 590390-36-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

14

THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:396457 CAPLUS

DOCUMENT NUMBER: 138:385446

TITLE: Preparation of 9-deazaguanine derivatives as inhibitors of GSK-3 and ROCK kinase

INVENTOR(S): Cao, Jingrong; Choquette, Debbie; Davies, Robert; Forster, Cornelia; Lauffer, David; Pierce, Albert; Tomlinson, Ronald; Wannamaker, Marion; Metz, Natalie

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 38 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

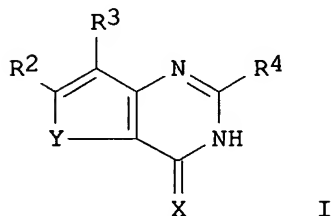
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003096813	A1	20030522	US 2002-125885	20020419
PRIORITY APPLN. INFO.:			US 2001-285217P	P 20010420
OTHER SOURCE(S):	MARPAT	138:385446		

GI



AB The present invention provides 9-deazaguanine derivs. I [X = O, S; Y = S, O, NR₁; R₁ = H, aliphatic, carboxy, acyl, etc.; R₂ = H, aliphatic, alkoxy, thioalkoxy, etc; R₃ = H, aliphatic, CN, halo, NO, etc.; R₄ = H, aliphatic, amino, amido, etc.], e.g., 4-thioxo-3,4,5,6,7,8-hexahydro-1,3,4b-triazafluorene-9-carbonitrile. These compds. are inhibitors of protein kinase, particularly inhibitors of GSK-3 mammalian protein kinase. The invention also provides pharmaceutical compns. comprising the inhibitors of the invention and methods of using those compns. in the treatment and prevention of various disorders, such as diabetes and Alzheimer's disease. IC₅₀ and K_i detns. for inhibition of GSK-3 showed that many I have values below one μM and IC₅₀ detns. for ROCK inhibition showed that certain I inhibit ROCK kinase. Although the methods of preparation are not claimed, 39 example preps. of I are included.

IT 132994-09-3P 136203-44-6P 473996-90-6P,
 4-Thioxo-3,4,5,6,7,8-hexahydro-1,3,4b-triazafluorene-9-carbonitrile
 473996-91-7P 473996-94-0P 473996-95-1P
 473996-98-4P 473996-99-5P 473997-00-1P
 473997-01-2P 473997-33-0P 473997-34-1P
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 473997-49-8P 473997-50-1P 473997-51-2P
 473997-52-3P 473997-53-4P 473997-54-5P
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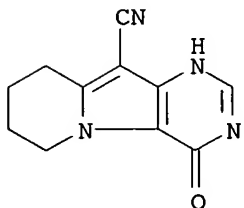
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 473998-06-0P 473998-24-2P 473998-26-4P
 473998-27-5P 473998-29-7P 473998-30-0P
 473998-31-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of 9-deazaguanine derivs. as inhibitors of
 GSK-3 and ROCK kinase)

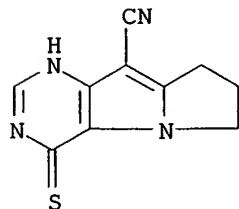
RN 132994-09-3 CAPLUS

CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-oxo-
 (9CI) (CA INDEX NAME)



RN 136203-44-6 CAPLUS

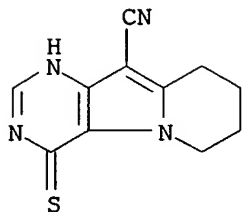
CN 1H-Pyrimido[4,5-b]pyrrolizine-9-carbonitrile, 4,6,7,8-tetrahydro-4-thioxo-
 (9CI) (CA INDEX NAME)



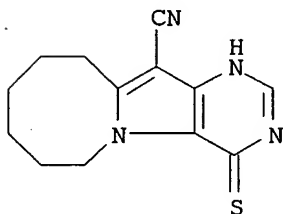
RN 473996-90-6 CAPLUS

CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-thioxo-
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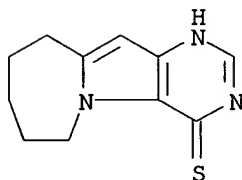
10/505,228



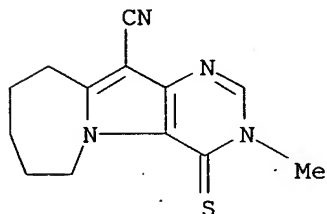
RN 473996-91-7 CAPLUS
CN Pyrimido[4',5':4,5]pyrrolo[1,2-a]azocine-12-carbonitrile,
1,4,6,7,8,9,10,11-octahydro-4-thioxo- (9CI) (CA INDEX NAME)



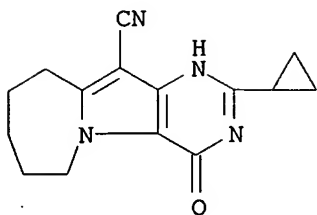
RN 473996-94-0 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



RN 473996-95-1 CAPLUS
CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-3-methyl-4-thioxo- (9CI) (CA INDEX NAME)

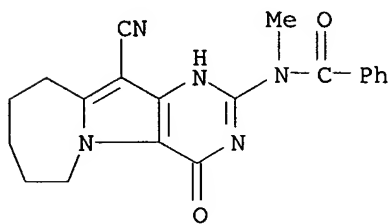


RN 473996-98-4 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
2-cyclopropyl-4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



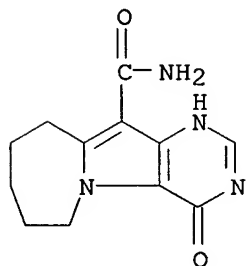
RN 473996-99-5 CAPLUS

CN Benzamide, N-(11-cyano-4,6,7,8,9,10-hexahydro-4-oxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-2-yl)-N-methyl- (9CI) (CA INDEX NAME)



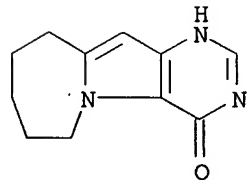
RN 473997-00-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide, 4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 473997-01-2 CAPLUS

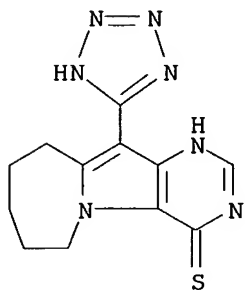
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-4(6H)-one, 7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



10/505,228

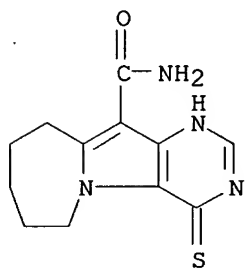
RN 473997-33-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(1H-tetrazol-5-yl)- (9CI) (CA INDEX NAME)



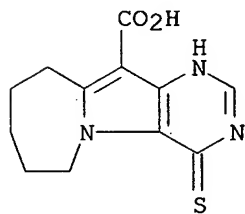
RN 473997-34-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



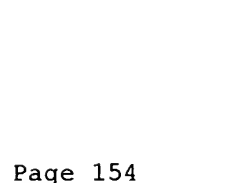
RN 473997-46-5 CAPLUS

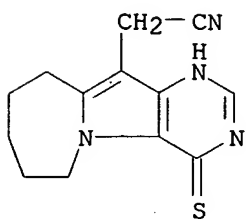
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxylic acid,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



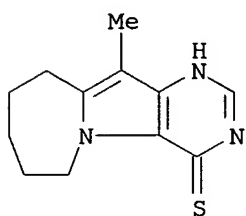
RN 473997-47-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetonitrile,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

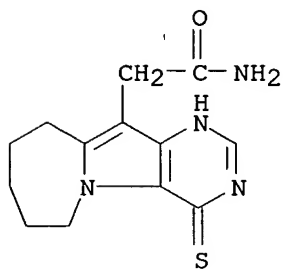




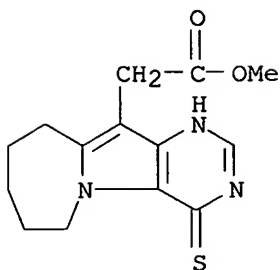
RN 473997-48-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-methyl- (9CI) (CA INDEX NAME)



RN 473997-49-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetamide,
 4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

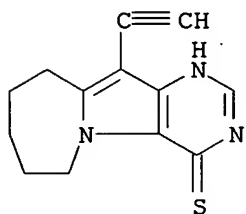


RN 473997-50-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetic acid,
 4,6,7,8,9,10-hexahydro-4-thioxo-, methyl ester (9CI) (CA INDEX NAME)



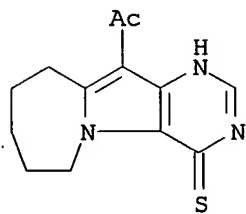
RN 473997-51-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
11-ethynyl-7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



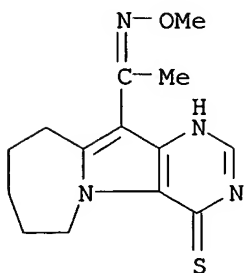
RN 473997-52-3 CAPLUS

CN Ethanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)- (9CI) (CA INDEX NAME)



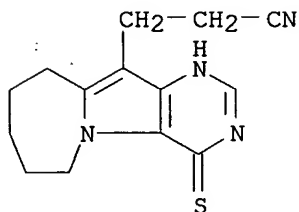
RN 473997-53-4 CAPLUS

CN Ethanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)-, O-methyloxime (9CI) (CA
INDEX NAME)



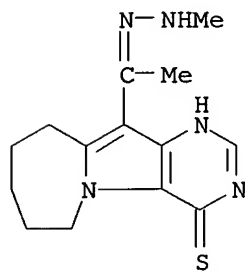
RN 473997-54-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-propanenitrile,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



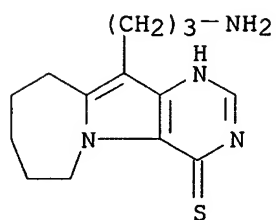
RN 473997-55-6 CAPLUS

CN Ethanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)-, methylhydrazone (9CI)
(CA INDEX NAME)



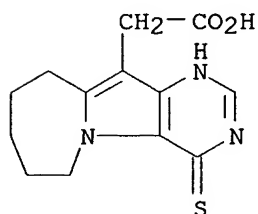
RN 473997-56-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
11-(3-aminopropyl)-7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



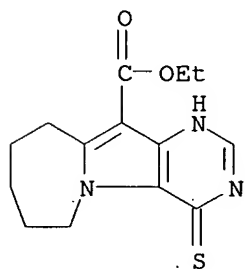
RN 473997-57-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetic acid,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



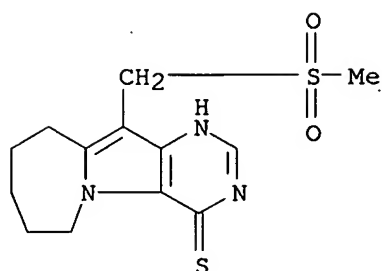
RN 473997-58-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxylic acid,
4,6,7,8,9,10-hexahydro-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



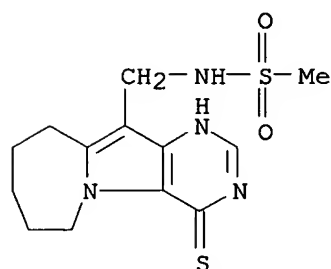
RN 473997-59-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-[(methylsulfonyl)methyl]- (9CI) (CA INDEX NAME)



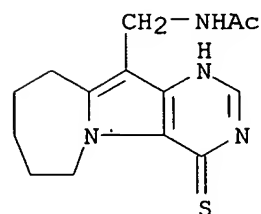
RN 473997-60-3 CAPLUS

CN Methanesulfonamide, N-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)methyl]- (9CI) (CA INDEX NAME)



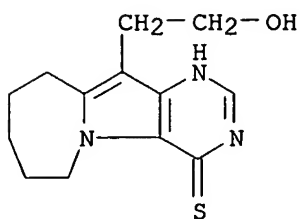
RN 473997-61-4 CAPLUS

CN Acetamide, N-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)methyl]- (9CI) (CA INDEX NAME)

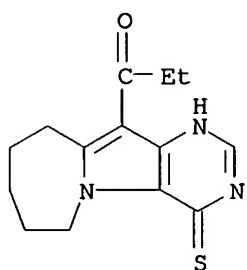


RN 473997-62-5 CAPLUS

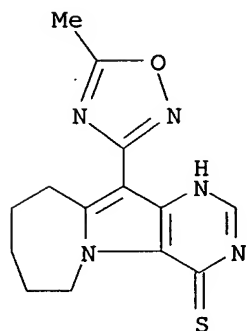
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione, 7,8,9,10-tetrahydro-11-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



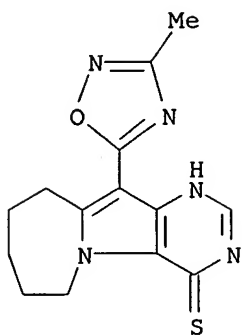
RN 473997-63-6 CAPLUS
 CN 1-Propanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)- (9CI) (CA INDEX NAME)



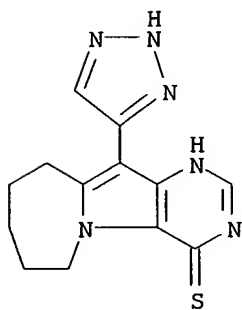
RN 473997-64-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione, 7,8,9,10-tetrahydro-11-(5-methyl-1,2,4-oxadiazol-3-yl)- (9CI) (CA INDEX NAME)



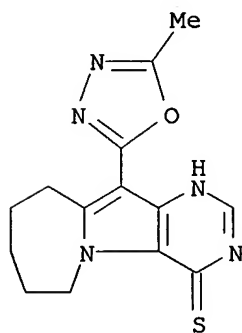
RN 473997-65-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione, 7,8,9,10-tetrahydro-11-(3-methyl-1,2,4-oxadiazol-5-yl)- (9CI) (CA INDEX NAME)



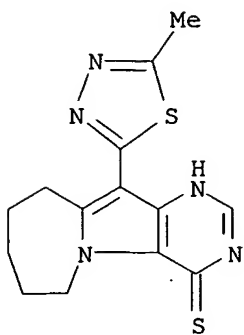
RN 473997-66-9 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)



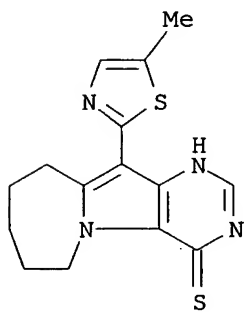
RN 473997-67-0 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-methyl-1,3,4-oxadiazol-2-yl)- (9CI) (CA INDEX NAME)



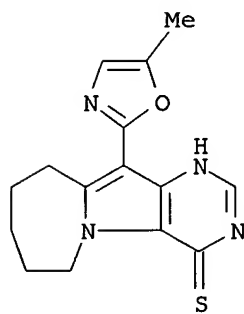
RN 473997-68-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-methyl-1,3,4-thiadiazol-2-yl)- (9CI) (CA INDEX NAME)



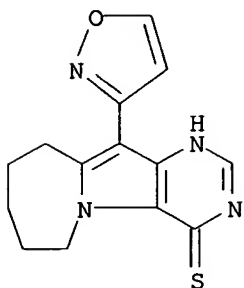
RN 473997-69-2 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



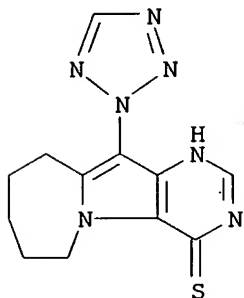
RN 473997-70-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-methyl-2-oxazolyl)- (9CI) (CA INDEX NAME)



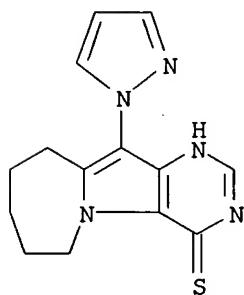
RN 473997-71-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(3-isoxazolyl)- (9CI) (CA INDEX NAME)



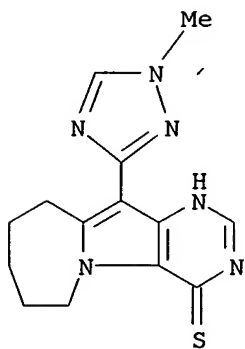
RN 473997-72-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(2H-tetrazol-2-yl)- (9CI) (CA INDEX NAME)



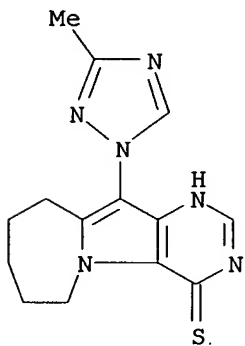
RN 473997-73-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



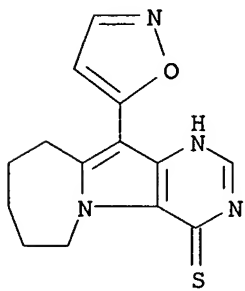
RN 473997-74-9 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(1-methyl-1H-1,2,4-triazol-3-yl)- (9CI) (CA INDEX NAME)



RN 473997-75-0 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(3-methyl-1H-1,2,4-triazol-1-yl)- (9CI) (CA INDEX
 NAME)

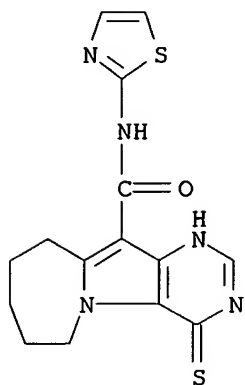


RN 473997-76-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-isoxazolyl)- (9CI) (CA INDEX NAME)



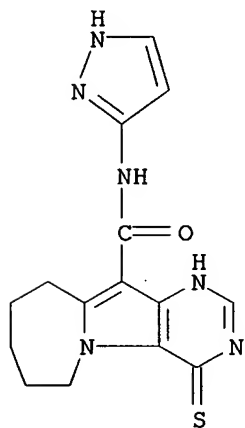
RN 473997-77-2 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
 4,6,7,8,9,10-hexahydro-N-2-thiazolyl-4-thioxo- (9CI) (CA INDEX NAME)

10/505,228



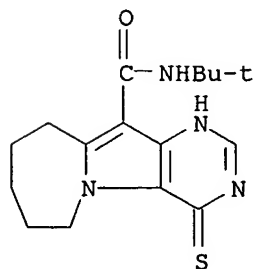
RN 473997-78-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
4,6,7,8,9,10-hexahydro-N-1H-pyrazol-3-yl-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-79-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
N-(1,1-dimethylethyl)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX
NAME)

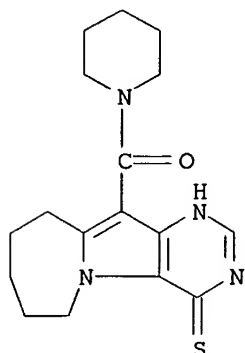


RN 473997-80-7 CAPLUS

CN Piperidine, 1-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-

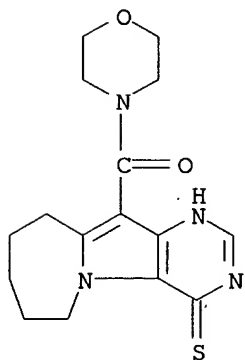
10/505,228

pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]- (9CI) (CA INDEX NAME)



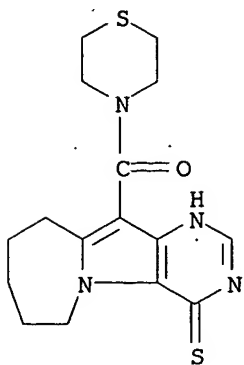
RN 473997-81-8 CAPLUS

CN Morpholine, 4-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]- (9CI) (CA INDEX NAME)



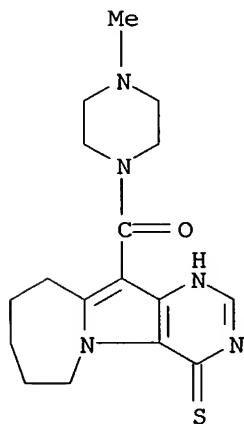
RN 473997-82-9 CAPLUS

CN Thiomorpholine, 4-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]- (9CI) (CA INDEX NAME)



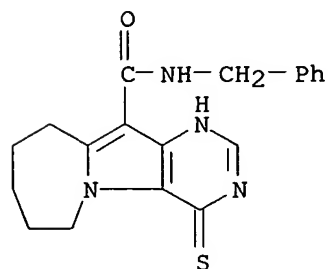
RN 473997-83-0 CAPLUS

CN Piperazine, 1-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]-4-methyl- (9CI)
(CA INDEX NAME)



RN 473997-84-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide, 4,6,7,8,9,10-hexahydro-N-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)

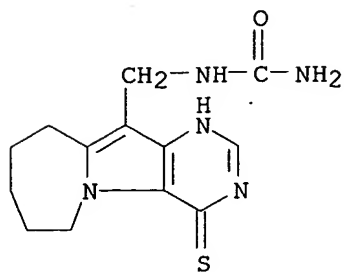


RN 473997-85-2 CAPLUS

CN Urea, [(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-

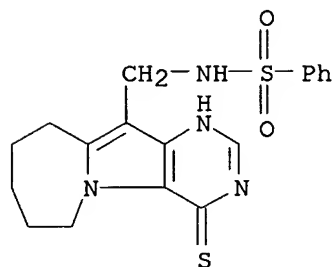
10/505,228

a]azepin-11-yl)methyl]- (9CI) (CA INDEX NAME)



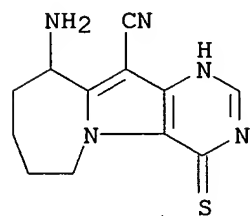
RN 473997-86-3 CAPLUS

CN Benzenesulfonamide, N-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)methyl]- (9CI) (CA INDEX NAME)



RN 473997-87-4 CAPLUS

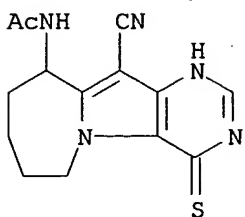
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile, 10-amino-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



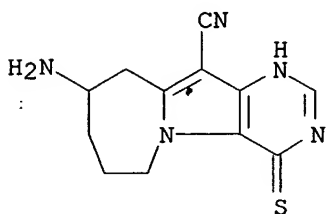
RN 473997-88-5 CAPLUS

CN Acetamide, N-(11-cyano-4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-10-yl)- (9CI) (CA INDEX NAME)

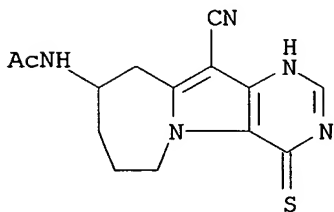
10/505,228



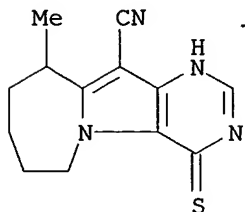
RN 473997-89-6 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
9-amino-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-90-9 CAPLUS
CN Acetamide, N-(11-cyano-4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-9-yl)- (9CI) (CA INDEX NAME)



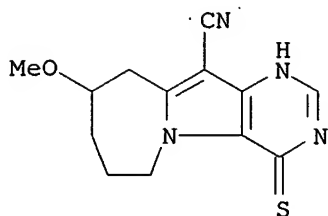
RN 473997-91-0 CAPLUS
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-10-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-92-1 CAPLUS
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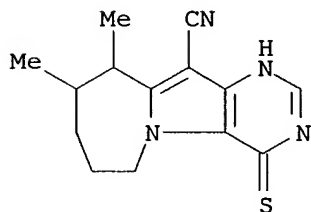
10/505,228

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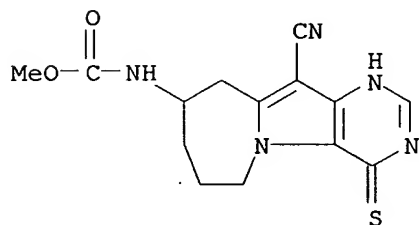
RN 473997-93-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-9,10-dimethyl-4-thioxo- (9CI) (CA INDEX NAME)



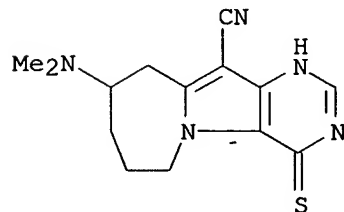
RN 473997-94-3 CAPLUS

CN Carbamic acid, (11-cyano-4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-9-yl)-, methyl ester (9CI) (CA INDEX NAME)



RN 473997-95-4 CAPLUS

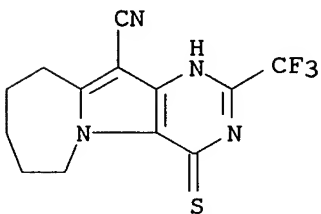
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
9-(dimethylamino)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



10/505,228

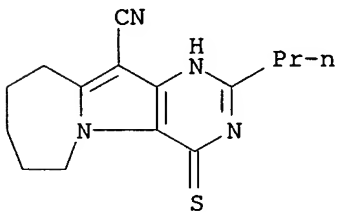
RN 473997-96-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-thioxo-2-(trifluoromethyl)- (9CI) (CA INDEX
NAME)



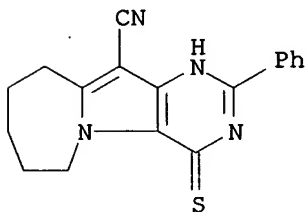
RN 473997-97-6 CAPLUS

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4,6,7,8,9,10-hexahydro-2-propyl-4-thioxo- (9CI) (CA INDEX NAME)



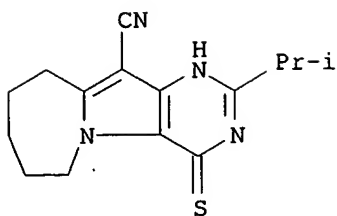
RN 473997-98-7 CAPLUS

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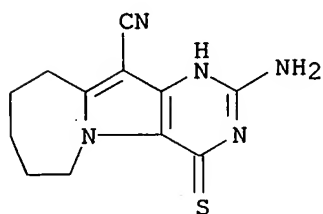


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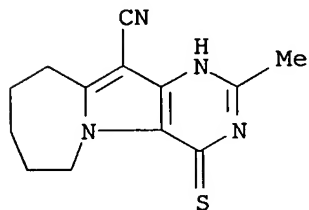
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-2-(1-methylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



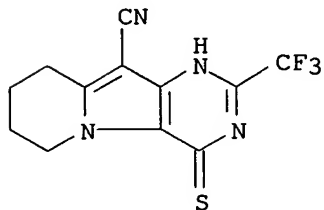
RN 473998-00-4 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 2-amino-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473998-01-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-2-methyl-4-thioxo- (9CI) (CA INDEX NAME)



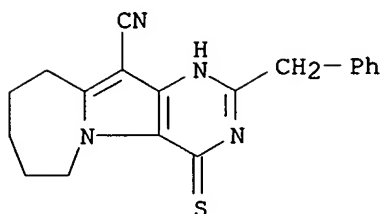
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 2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



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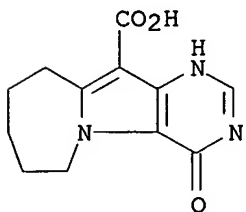
10/505,228

4,6,7,8,9,10-hexahydro-2-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



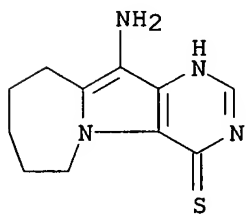
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CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxylic acid,
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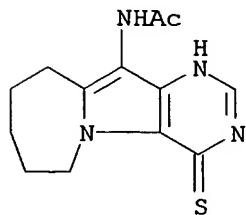
RN 473998-05-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
11-amino-7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



RN 473998-06-0 CAPLUS

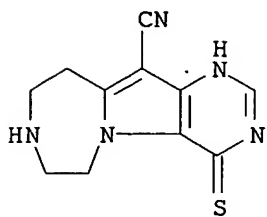
CN Acetamide, N-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)- (9CI) (CA INDEX NAME)



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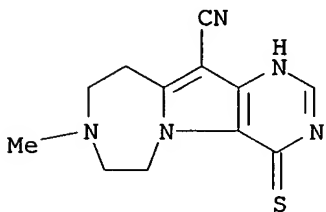
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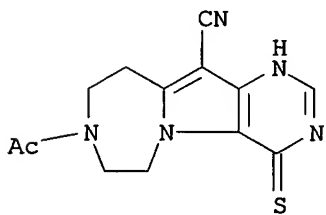
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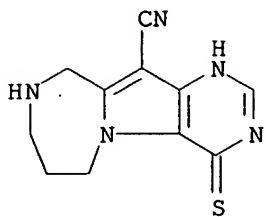
RN 473998-27-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
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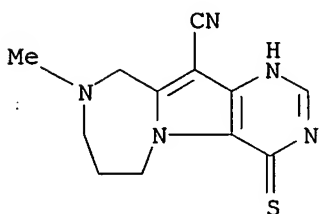


RN 473998-29-7 CAPLUS

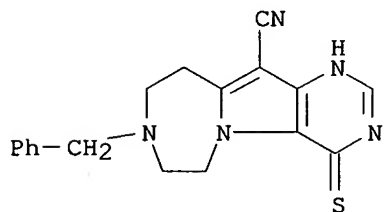
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4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



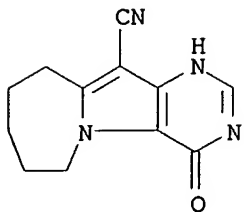
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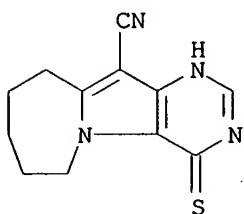
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 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



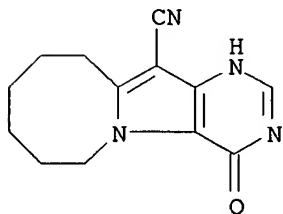
IT 132994-10-6 178307-15-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK
 kinase)
 RN 132994-10-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 178307-15-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

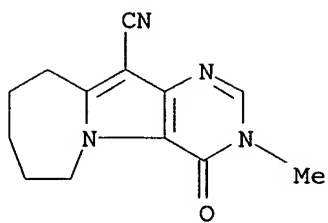


IT 473996-93-9P 473996-96-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK
 kinase)
 RN 473996-93-9 CAPLUS
 CN Pyrimido[4',5':4,5]pyrrolo[1,2-a]azocine-12-carbonitrile,
 1,4,6,7,8,9,10,11-octahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 473996-96-2 CAPLUS
 CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-3-methyl-4-oxo- (9CI) (CA INDEX NAME)

10/505,228



L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:832804 CAPLUS

DOCUMENT NUMBER: 137:337910

TITLE: Preparation of 9-deazaguanine derivatives as inhibitors of GSK-3 and ROCK kinase

INVENTOR(S): Cao, Jingrong; Choquette, Debbie; Davies, Robert; Forster, Cornelia; Lauffer, David; Pierce, Albert; Tomlinson, Ronald; Wannamaker, Marion; Metz, Natalie

PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA

SOURCE: PCT Int. Appl., 106 pp.

CODEN: PIXXD2

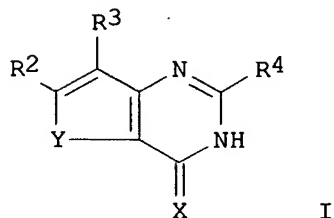
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002085909	A1	20021031	WO 2002-US12395	20020419
WO 2002085909	A8	20040429		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002305205	A1	20021105	AU 2002-305205	20020419
CA 2444598	A1	20031031	CA 2002-2444598	20020419
EP 1383771	A1	20040128	EP 2002-734012	20020419
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2005504730	T	20050217	JP 2002-583436	20020419
PRIORITY APPLN. INFO.:			US 2001-285217P	P 20010420
			WO 2002-US12395	W 20020419
OTHER SOURCE(S):			MARPAT 137:337910	
GI				



AB The present invention provides 9-deazaguanine derivs. (shown as I; e.g. 4-thioxo-3,4,5,6,7,8-hexahydro-1,3,4b-triazafluorene-9-carbonitrile) or a pharmaceutically acceptable derivative thereof, wherein X is O or S; Y is -S-,

-O- or -NR1-; and R2, R3, and R4 are as described in the specification. These compds. are inhibitors of protein kinase, particularly inhibitors of GSK-3 mammalian protein kinase. The invention also provides pharmaceutical compns. comprising the inhibitors of the invention and methods of using those compns. in the treatment and prevention of various disorders, such as diabetes and Alzheimer's disease. IC50 and Ki detns. for inhibition of GSK-3 showed that many I have values below one μM and IC50 detns. for ROCK inhibition showed that certain I inhibit ROCK kinase. Although the methods of preparation are not claimed, 39 example preps. of I are included.

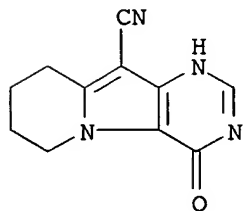
IT 132994-09-3P 136203-44-6P 473996-90-6P,
4-Thioxo-3,4,5,6,7,8-hexahydro-1,3,4b-triazafluorene-9-carbonitrile
473996-91-7P 473996-94-0P 473996-95-1P
473996-98-4P 473996-99-5P 473997-00-1P
473997-01-2P 473997-33-0P 473997-34-1P
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473998-31-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK kinase)

RN 132994-09-3 CAPLUS

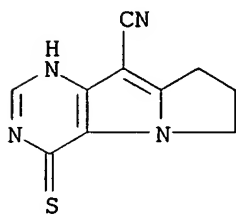
CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-oxo-(9CI) (CA INDEX NAME)



10/505,228

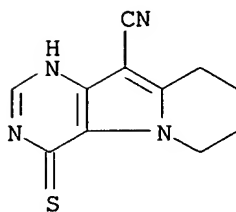
RN 136203-44-6 CAPLUS

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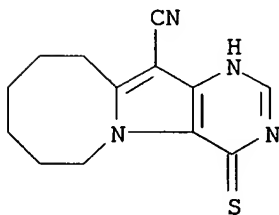
RN 473996-90-6 CAPLUS

CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-thioxo-
(9CI) (CA INDEX NAME)



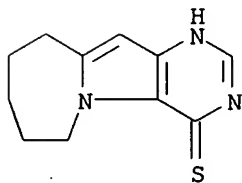
RN 473996-91-7 CAPLUS

CN Pyrimido[4',5':4,5]pyrrolo[1,2-a]azocine-12-carbonitrile,
1,4,6,7,8,9,10,11-octahydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473996-94-0 CAPLUS

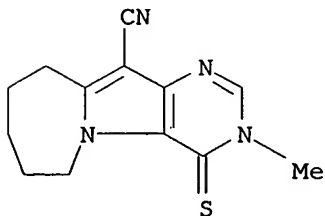
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
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10/505,228

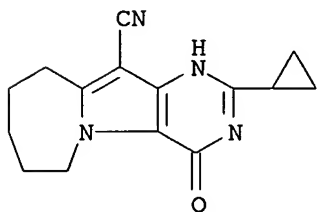
RN 473996-95-1 CAPLUS

CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
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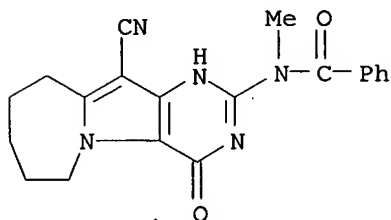
RN 473996-98-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
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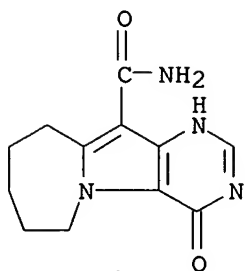
RN 473996-99-5 CAPLUS

CN Benzamide, N-(11-cyano-4,6,7,8,9,10-hexahydro-4-oxo-1H-
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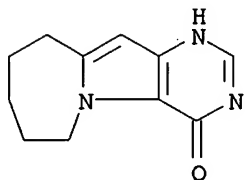
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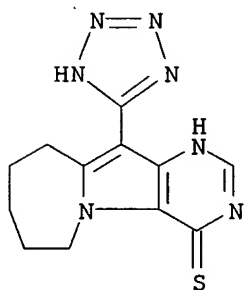
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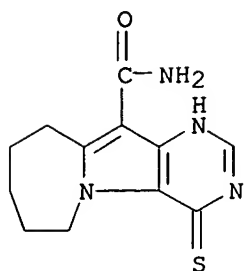
RN 473997-33-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione, 7,8,9,10-tetrahydro-11-(1H-tetrazol-5-yl)- (9CI) (CA INDEX NAME)



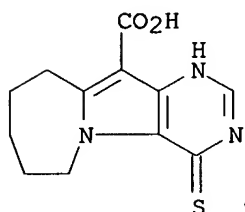
RN 473997-34-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide, 4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



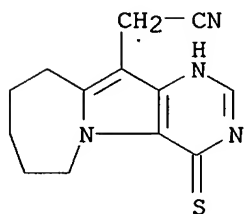
RN 473997-46-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxylic acid,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



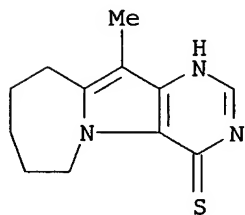
RN 473997-47-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetonitrile,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-48-7 CAPLUS

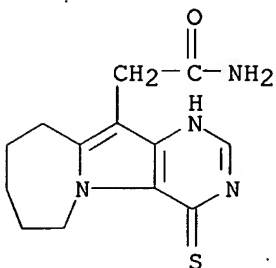
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-methyl- (9CI) (CA INDEX NAME)



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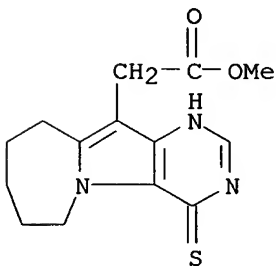
RN 473997-49-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetamide,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



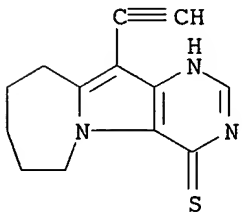
RN 473997-50-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetic acid,
4,6,7,8,9,10-hexahydro-4-thioxo-, methyl ester (9CI) (CA INDEX NAME)



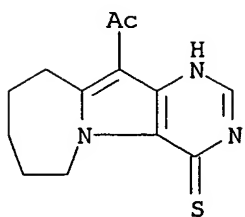
RN 473997-51-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
11-ethynyl-7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



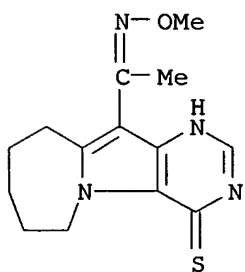
RN 473997-52-3 CAPLUS

CN Ethanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)- (9CI) (CA INDEX NAME)



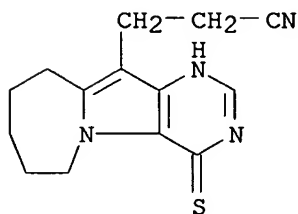
RN 473997-53-4 CAPLUS

CN Ethanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)-, O-methyloxime (9CI) (CA INDEX NAME)



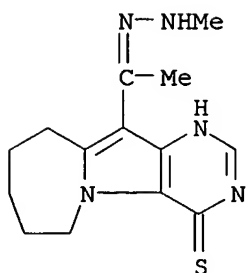
RN 473997-54-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-propanenitrile, 4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



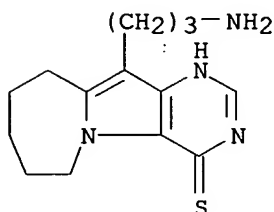
RN 473997-55-6 CAPLUS

CN Ethanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)-, methylhydrazone (9CI) (CA INDEX NAME)



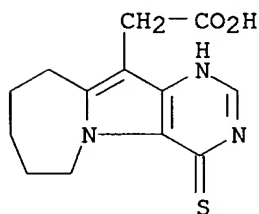
RN 473997-56-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
11-(3-aminopropyl)-7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



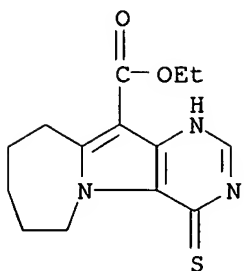
RN 473997-57-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-acetic acid,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

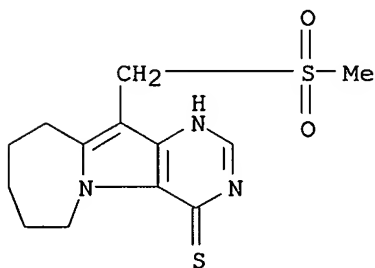


RN 473997-58-9 CAPLUS

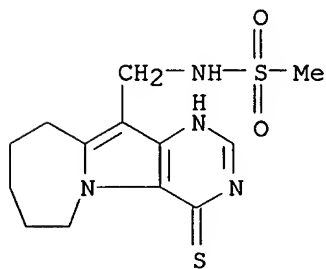
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxylic acid,
4,6,7,8,9,10-hexahydro-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



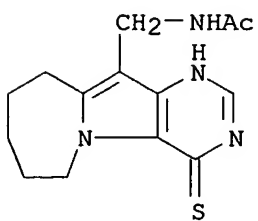
RN 473997-59-0 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-[(methanesulfonyl)methyl]- (9CI) (CA INDEX NAME)



RN 473997-60-3 CAPLUS
 CN Methanesulfonamide, N-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
 pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)methyl]- (9CI) (CA INDEX
 NAME)

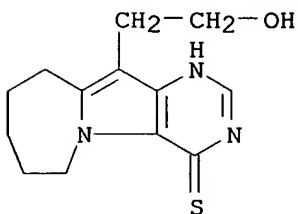


RN 473997-61-4 CAPLUS
 CN Acetamide, N-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
 pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)methyl]- (9CI) (CA INDEX
 NAME)



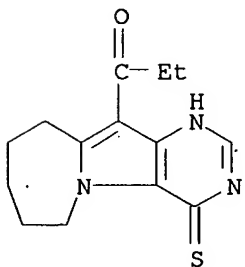
RN 473997-62-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



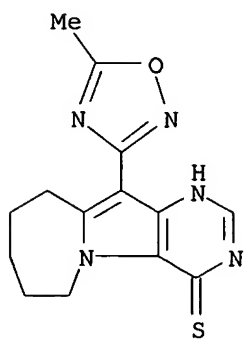
RN 473997-63-6 CAPLUS

CN 1-Propanone, 1-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)- (9CI) (CA INDEX NAME)



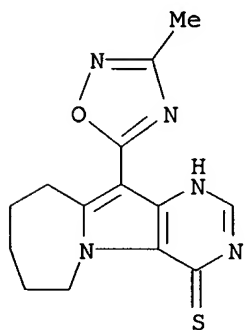
RN 473997-64-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(5-methyl-1,2,4-oxadiazol-3-yl)- (9CI) (CA INDEX
NAME)



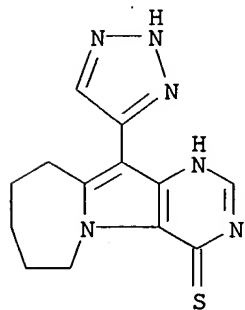
RN 473997-65-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(3-methyl-1,2,4-oxadiazol-5-yl)- (9CI) (CA INDEX
NAME)



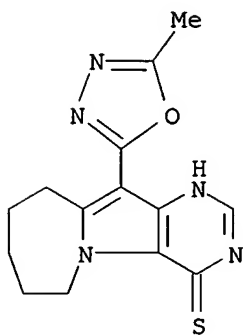
RN 473997-66-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(2H-1,2,3-triazol-4-yl)- (9CI) (CA INDEX NAME)

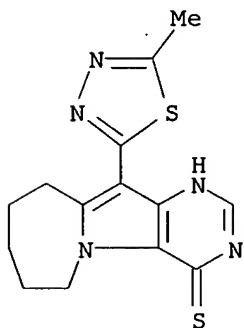


RN 473997-67-0 CAPLUS

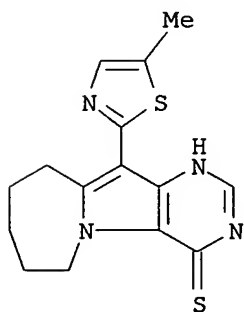
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(5-methyl-1,3,4-oxadiazol-2-yl)- (9CI) (CA INDEX
NAME)



RN 473997-68-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-methyl-1,3,4-thiadiazol-2-yl)- (9CI) (CA INDEX
 NAME)

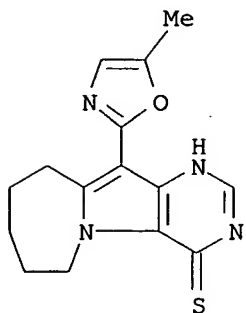


RN 473997-69-2 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



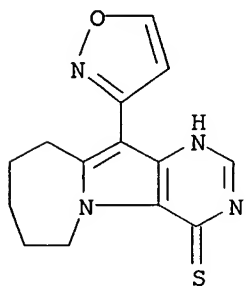
RN 473997-70-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
 7,8,9,10-tetrahydro-11-(5-methyl-2-oxazolyl)- (9CI) (CA INDEX NAME)

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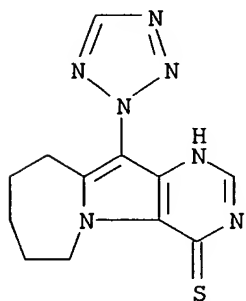
RN 473997-71-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(3-isoxazolyl)- (9CI) (CA INDEX NAME)



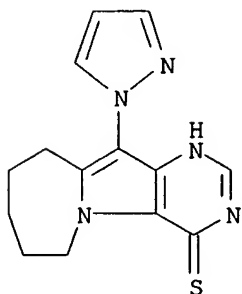
RN 473997-72-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(2H-tetrazol-2-yl)- (9CI) (CA INDEX NAME)



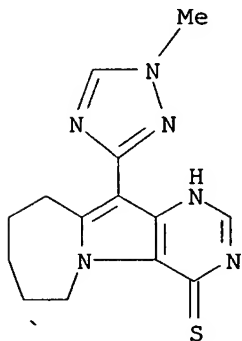
RN 473997-73-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



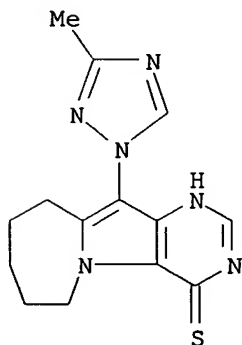
RN 473997-74-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(1-methyl-1H-1,2,4-triazol-3-yl)- (9CI) (CA INDEX
NAME)



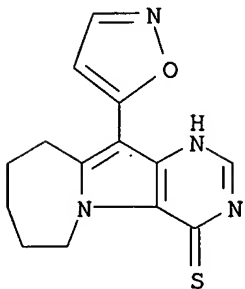
RN 473997-75-0 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(3-methyl-1H-1,2,4-triazol-1-yl)- (9CI) (CA INDEX
NAME)



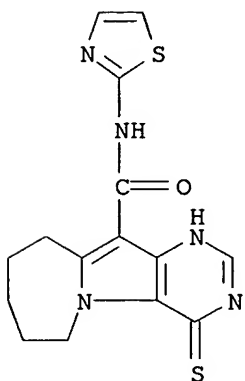
RN 473997-76-1 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
7,8,9,10-tetrahydro-11-(5-isoxazolyl)- (9CI) (CA INDEX NAME)



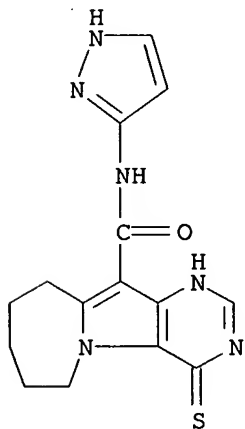
RN 473997-77-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
4,6,7,8,9,10-hexahydro-N-2-thiazolyl-4-thioxo- (9CI) (CA INDEX NAME)



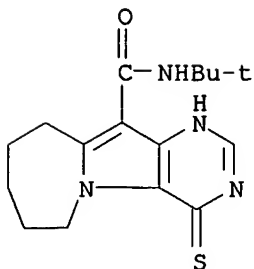
RN 473997-78-3 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
4,6,7,8,9,10-hexahydro-N-1H-pyrazol-3-yl-4-thioxo- (9CI) (CA INDEX NAME)



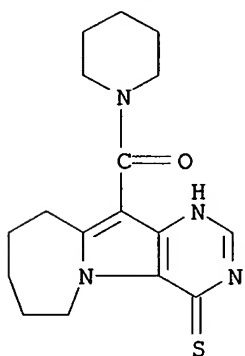
RN 473997-79-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
N-(1,1-dimethylethyl)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



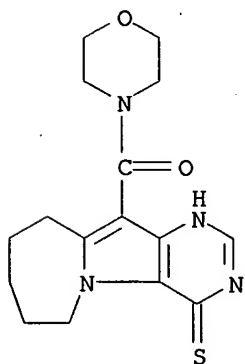
RN 473997-80-7 CAPLUS

CN Piperidine, 1-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 473997-81-8 CAPLUS

CN Morpholine, 4-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]- (9CI) (CA INDEX NAME)

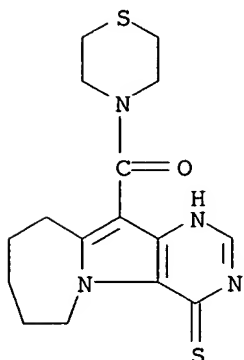


RN 473997-82-9 CAPLUS

CN Thiomorpholine, 4-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-

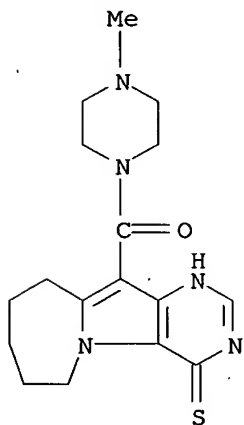
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pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]- (9CI) (CA INDEX NAME)



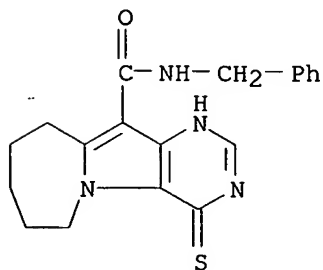
RN 473997-83-0 CAPLUS

CN Piperazine, 1-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)carbonyl]-4-methyl- (9CI)
(CA INDEX NAME)



RN 473997-84-1 CAPLUS

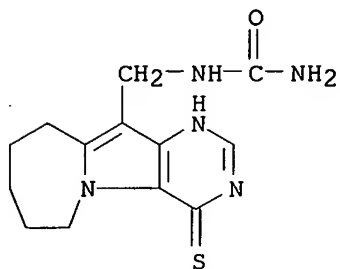
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxamide,
4,6,7,8,9,10-hexahydro-N-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



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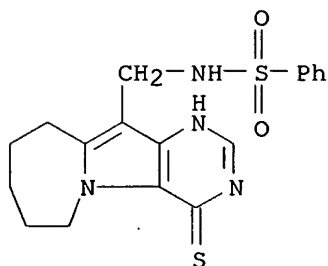
RN 473997-85-2 CAPLUS

CN Urea, [(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)methyl]- (9CI) (CA INDEX NAME)



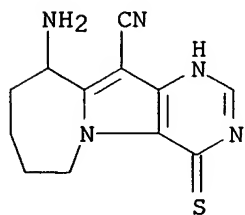
RN 473997-86-3 CAPLUS

CN Benzenesulfonamide, N-[(4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)methyl]- (9CI) (CA INDEX NAME)



RN 473997-87-4 CAPLUS

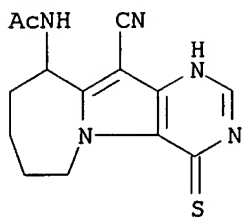
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile, 10-amino-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



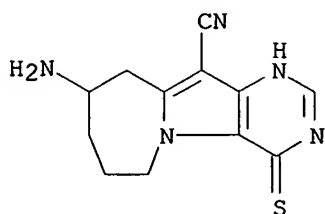
RN 473997-88-5 CAPLUS

CN Acetamide, N-(11-cyano-4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-10-yl)- (9CI) (CA INDEX NAME)

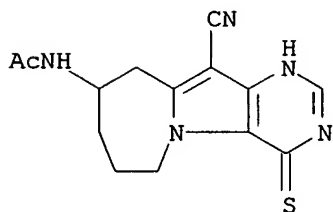




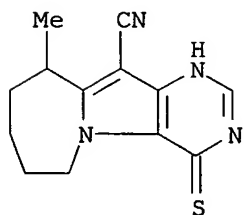
RN 473997-89-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 9-amino-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-90-9 CAPLUS
 CN Acetamide, N-(11-cyano-4,6,7,8,9,10-hexahydro-4-thioxo-1H-
 pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-9-yl)- (9CI) (CA INDEX NAME)



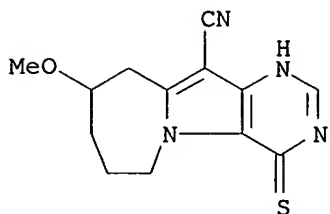
RN 473997-91-0 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-10-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 473997-92-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,

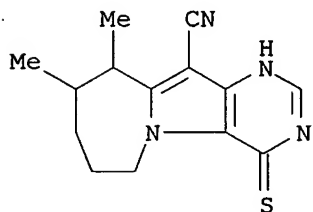
10/505,228

4,6,7,8,9,10-hexahydro-9-methoxy-4-thioxo- (9CI) (CA INDEX NAME)



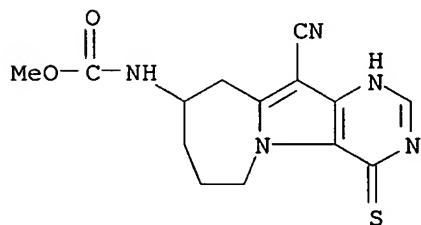
RN 473997-93-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-9,10-dimethyl-4-thioxo- (9CI) (CA INDEX NAME)



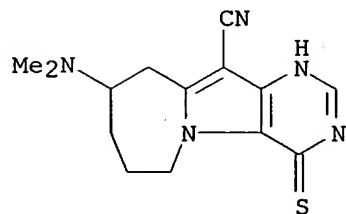
RN 473997-94-3 CAPLUS

CN Carbamic acid, (11-cyano-4,6,7,8,9,10-hexahydro-4-thioxo-1H-pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-9-yl)-, methyl ester (9CI) (CA INDEX NAME).



RN 473997-95-4 CAPLUS

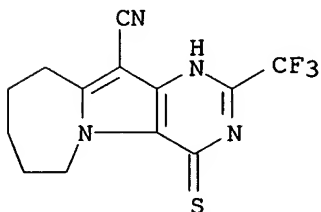
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
9-(dimethylamino)-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



10/505,228

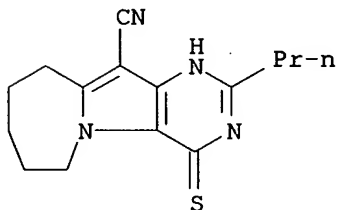
RN 473997-96-5 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-thioxo-2-(trifluoromethyl)- (9CI) (CA INDEX
NAME)



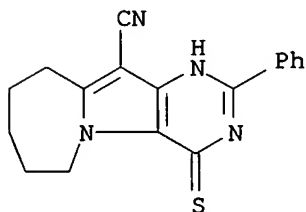
RN 473997-97-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-2-propyl-4-thioxo- (9CI) (CA INDEX NAME)



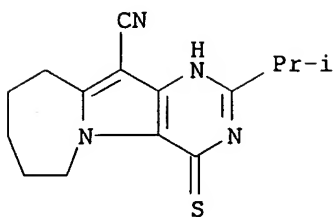
RN 473997-98-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-2-phenyl-4-thioxo- (9CI) (CA INDEX NAME)

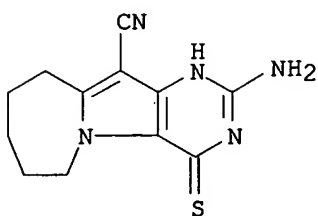


RN 473997-99-8 CAPLUS

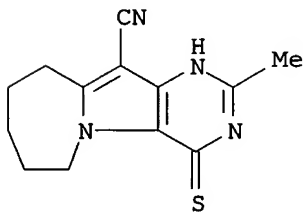
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-2-(1-methylethyl)-4-thioxo- (9CI) (CA INDEX NAME)



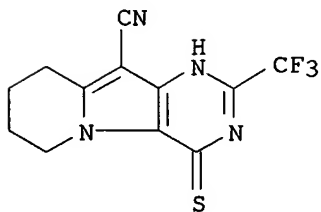
RN 473998-00-4 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 2-amino-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



RN 473998-01-5 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-2-methyl-4-thioxo- (9CI) (CA INDEX NAME)



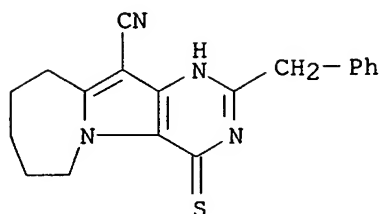
RN 473998-02-6 CAPLUS
 CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-thioxo-
 2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 473998-03-7 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,

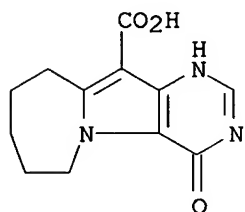
10/505,228

4,6,7,8,9,10-hexahydro-2-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



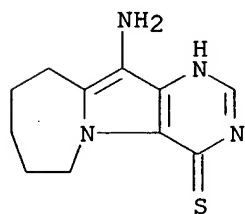
RN 473998-04-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carboxylic acid,
4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



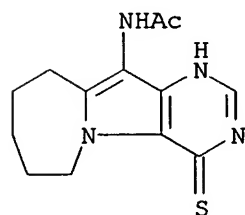
RN 473998-05-9 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-4(6H)-thione,
11-amino-7,8,9,10-tetrahydro- (9CI) (CA INDEX NAME)



RN 473998-06-0 CAPLUS

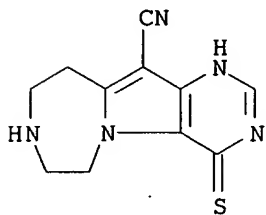
CN Acetamide, N-(4,6,7,8,9,10-hexahydro-4-thioxo-1H-
pyrimido[4',5':4,5]pyrrolo[1,2-a]azepin-11-yl)- (9CI) (CA INDEX NAME)



10/505,228

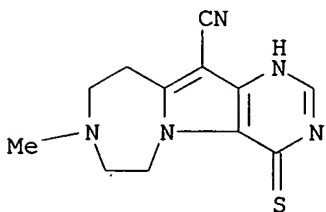
RN 473998-24-2 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



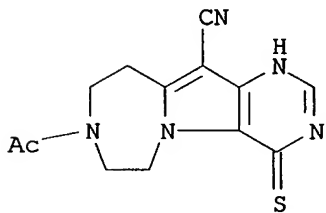
RN 473998-26-4 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-8-methyl-4-thioxo- (9CI) (CA INDEX NAME)



RN 473998-27-5 CAPLUS

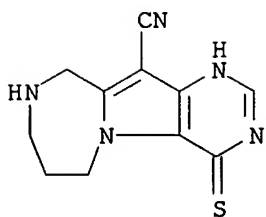
CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
8-acetyl-4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)



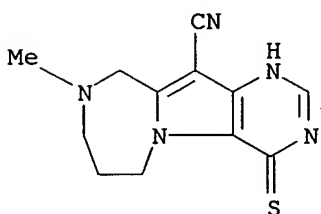
RN 473998-29-7 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a][1,4]diazepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

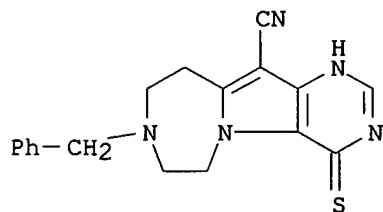




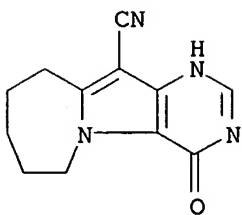
RN 473998-30-0 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-9-methyl-4-thioxo- (9CI) (CA INDEX NAME)



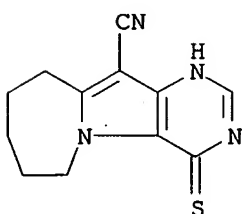
RN 473998-31-1 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-d][1,4]diazepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-8-(phenylmethyl)-4-thioxo- (9CI) (CA INDEX NAME)



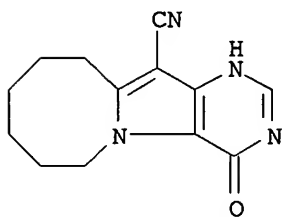
IT 132994-10-6 178307-15-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK
 kinase)
 RN 132994-10-6 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 178307-15-8 CAPLUS
 CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

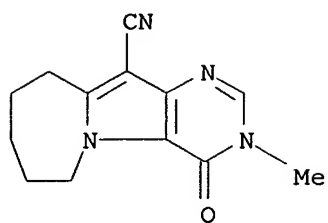


IT 473996-93-9P 473996-96-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of 9-deazaguanine derivs. as inhibitors of GSK-3 and ROCK
 kinase)
 RN 473996-93-9 CAPLUS
 CN Pyrimido[4',5':4,5]pyrrolo[1,2-a]azocine-12-carbonitrile,
 1,4,6,7,8,9,10,11-octahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 473996-96-2 CAPLUS
 CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
 4,6,7,8,9,10-hexahydro-3-methyl-4-oxo- (9CI) (CA INDEX NAME)

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REFERENCE COUNT:

12

THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/505,228

~~LTQ~~ ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:434877 CAPLUS

DOCUMENT NUMBER: 125:48517

TITLE: Acetals of acid lactams and amides. 74. Examining the synthesis and antitumor action of 5,6 polymethylenepyrrolo [3,2-d] pyrimidines

AUTHOR(S): Kadushkin, A. V.; Sokolova, A. S.; Solovyeva, N. P.; Granik, V. G.

CORPORATE SOURCE: TSKhLS, VNIKhFI, Moscow, Russia

SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1994), 28(11), 15-19

CODEN: KHFZAN; ISSN: 0023-1134

PUBLISHER: Meditsina

DOCUMENT TYPE: Journal

LANGUAGE: Russian

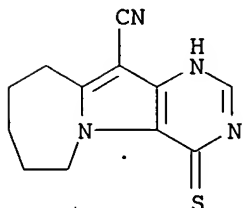
AB Conditions of pyrimidine cyclization as well as roles of ethoxycarbonyl group and of the polymethylene chain in antitumor activity were studied.

IT 178307-15-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (synthesis and antitumor action of polymethylenepyrrolopyrimidines)

RN 178307-15-8 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-4-thioxo- (9CI) (CA INDEX NAME)

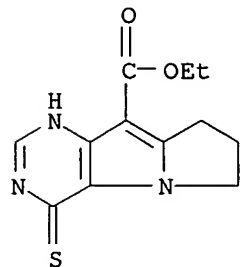


IT 111038-16-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (synthesis and antitumor action of polymethylenepyrrolopyrimidines)

RN 111038-16-5 CAPLUS

CN 1H-Pyrimido[4,5-b]pyrrolizine-9-carboxylic acid, 4,6,7,8-tetrahydro-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



10 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:559084 CAPLUS

DOCUMENT NUMBER: 115:159084

TITLE: Acetals of lactams and amides. 65. Reaction of DMF diethyl acetal with derivatives of

AUTHOR(S): 6-amino-5-carbamoyl(thiocarbamoyl)pyrrolizine
Kadushkin, A. V.; Solov'eva, N. P.; Golovko, T. V.;
Granik, V. G.

CORPORATE SOURCE: Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow,
119021, USSR

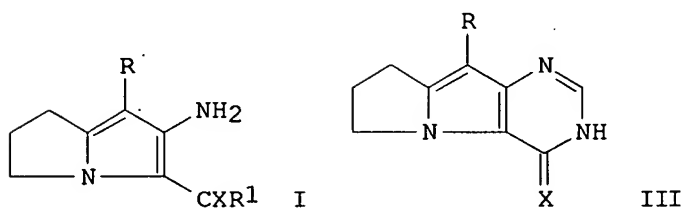
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1991), (3),
349-54

CODEN: KGSSAQ; ISSN: 0453-8234

DOCUMENT TYPE: Journal

LANGUAGE: Russian

GI



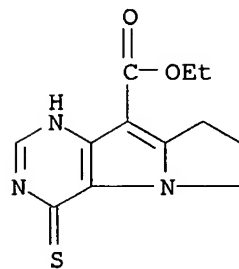
AB The condensation of $\text{Me}_2\text{NCH}(\text{OEt})_2$ with (thio)carbamoylaminopyrrolizines I ($\text{R} = \text{CN}, \text{CO}_2\text{Et}$; $\text{X} = \text{O}, \text{S}$; $\text{R}_1 = \text{NH}_2$) gives aminomethylene derivs. I [$\text{R}_1 = \text{N}:\text{CHNMe}_2$ (II)]. On treatment with AcOH II undergo a cyclization to give pyrimidopyrrolizine derivs. III.

IT 111038-16-5P 136203-44-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 111038-16-5 CAPLUS

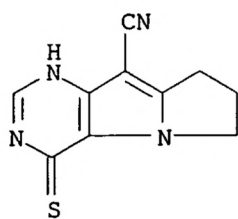
CN 1H-Pyrimido[4,5-b]pyrrolizine-9-carboxylic acid, 4,6,7,8-tetrahydro-4-thioxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 136203-44-6 CAPLUS

CN 1H-Pyrimido[4,5-b]pyrrolizine-9-carbonitrile, 4,6,7,8-tetrahydro-4-thioxo-
(9CI) (CA INDEX NAME)

10/505,228



110 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:164140 CAPLUS

DOCUMENT NUMBER: 114:164140

TITLE: Condensed pyrrolo[3,2-d]pyrimidines: synthesis and biological activity

AUTHOR(S): Kadushkin, A. V.; Nesterova, I. N.; Golovko, T. V.; Nikolaeva, I. S.; Pushkina, T. V.; Fomina, A. N.; Sokolova, A. S.; Chernov, V. A.; Granik, V. G.

CORPORATE SOURCE: VNIKhFI, Moscow, USSR

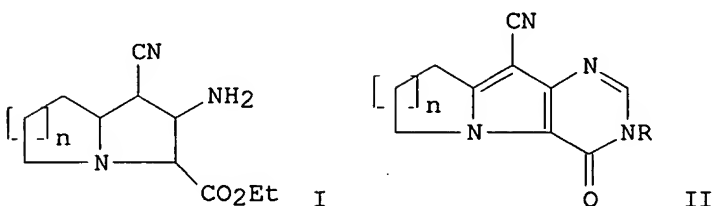
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1990), 24(12), 18-22

CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE: Journal

LANGUAGE: Russian

GI



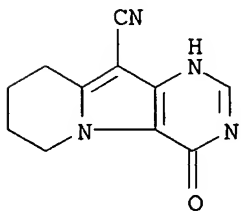
AB Intramol. Thorpe-Ziegler cyclization was used to prepare 3-cyano-4-amino-5-(ethoxycarbonyl)-1,2-polymethylene pyrrole derivs., e.g. I ($n = 1, 2, 3$) which were then used in the synthesis of 5,6-polymethylene derivs. of pyrrolo[3,2-d]pyrimidines, e.g. II ($R = H, PhCH_2, n = 2, 3$). The compds. were tested for virucidal and neoplasm-inhibiting activity.

IT 132994-09-3P 132994-10-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and chlorination of)

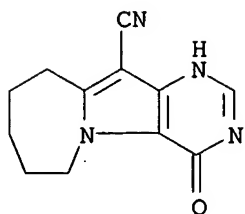
RN 132994-09-3 CAPLUS

CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 1,4,6,7,8,9-hexahydro-4-oxo- (9CI) (CA INDEX NAME)



RN 132994-10-6 CAPLUS

CN 1H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile, 4,6,7,8,9,10-hexahydro-4-oxo- (9CI) (CA INDEX NAME)

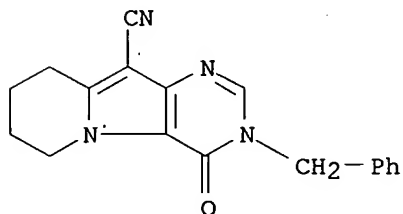


IT 132994-11-7P 132994-12-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

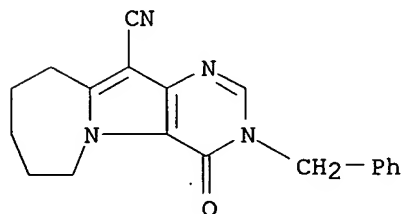
RN 132994-11-7 CAPLUS

CN Pyrimido[4,5-b]indolizine-10-carbonitrile, 3,4,6,7,8,9-hexahydro-4-oxo-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



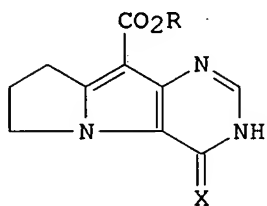
RN 132994-12-8 CAPLUS

CN 3H-Pyrimido[4',5':4,5]pyrrolo[1,2-a]azepine-11-carbonitrile,
4,6,7,8,9,10-hexahydro-4-oxo-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



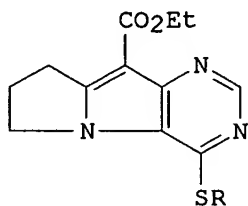
110 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:590445 CAPLUS
 DOCUMENT NUMBER: 107:190445
 TITLE: Synthesis and antitumor activity of
 5-mercapto-9-ethoxycarbonyl-1,2-dihydro-3H-
 pyrimido[5,4-e]pyrrolizine derivatives
 AUTHOR(S): Kadushkin, A. V.; Golovko, T. V.; Kalistratov, S. G.;
 Sokolova, A. S.; Chernov, V. A.; Granik, V. G.
 CORPORATE SOURCE: VNIKhFI, Moscow, USSR
 SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1987), 21(5),
 545-50
 CODEN: KHFZAN; ISSN: 0023-1134
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 107:190445
 GI



I, R=Et, X=S

III, R=H, X=O



II

AB N-Cyanomethyl-2-[cyano(ethoxycarbonyl)methylene]pyrrolidine, obtained from N-cyanomethyl-2-pyrrolidone di-Et acetal and CNCO₂Et was cyclized to the dihydropyrrolizine derivative. Condensation of this compound with Me₂NCH(OEt)₂ gave a dimethylaminomethyleneamino derivative which on treatment with NH₄SH gave I. The conversion of I to II (R = H, CO₂Et or CO₂H) and III is described. A study of the antitumor activity of the compds. in rats showed that I, II and III were nontoxic during i.p. administration. The LD was >500 mg/kg. II (R = H) showed cumulative toxicity; after 3 administrations at 250 mg/kg the animals died. II showed antitumor activity in mice with B-16 melanoma. II (R = CO₂Et) also showed activity against carcinoma 755.

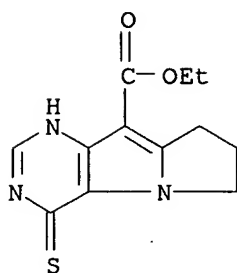
IT 111038-16-5P 111070-34-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation and antitumor activity of)

RN 111038-16-5 CAPLUS

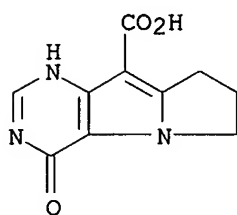
CN 1H-Pyrimido[4,5-b]pyrrolizine-9-carboxylic acid, 4,6,7,8-tetrahydro-4-thio-, ethyl ester (9CI) (CA INDEX NAME)

10/505,228



RN 111070-34-9 CAPLUS

CN 1H-Pyrimido[4,5-b]pyrrolizine-9-carboxylic acid, 4,6,7,8-tetrahydro-4-oxo-
(9CI) (CA INDEX NAME)



10 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1981:47260 CAPLUS

DOCUMENT NUMBER: 94:47260

TITLE: Study of lactams. 34. Synthesis and reactions of pyrrolo[2,3-c]azepine derivatives

AUTHOR(S): Glushkov, R. G.; Stezhko, T. V.

CORPORATE SOURCE: Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow, USSR

SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1980), (8), 1097-100

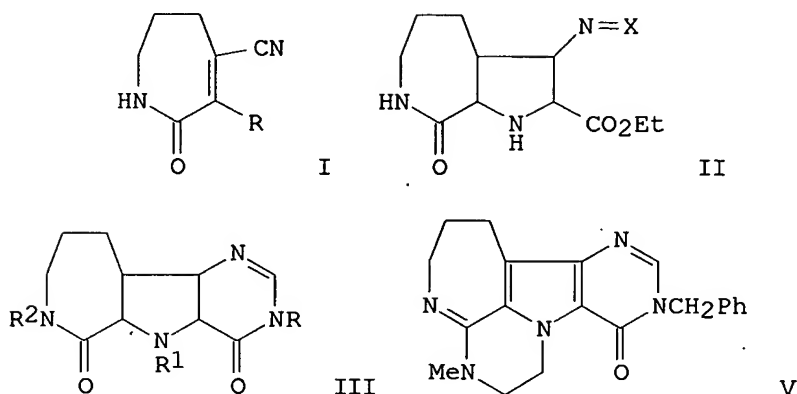
CODEN: KGSSAQ; ISSN: 0453-8234

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 94:47260

GI



AB Treatment of hydroxynitrile I (R = OH) with H₂NCH₂CO₂Et gave 60% I (R = NHCH₂CO₂Et), which was cyclized with EtONa to give 75% II (X = H₂), which was treated with Me₂NCH(OEt)₂ to give 90% II (X = CHNMe₂). II (X = H₂) was cyclized with HCONH₂ to give 98% III (R = R₁ = R₂ = H). II (X = CHNMe₂) was cyclized with PhCH₂NH₂ to give 72% III (R = benzyl, R₁ = R₂ = H), which when treated with Me₂NCH₂CH₂Cl gave 95% III (R = benzyl, R₁ = Me₂NCH₂CH₂, R₂ = H) (IV). III (R = R₁ = R₂ = benzyl) was also prepared. Cyclization of IV with POCl₃ gave 42% V.

IT 76237-21-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 76237-21-3 CAPLUS

CN 3,4,8,10,11b-Pentaazacyclohepta[jk]fluoren-11(10H)-one,
1,2,3,5,6,7-hexahydro-3-methyl-10-(phenylmethyl)- (9CI) (CA INDEX NAME)

10/505,228

